# GENETIC, AGRONOMIC, BOTANICAL, PHYSICAL, CHEMICAL, AND ORGANOLEPTIC EVALUATION OF PEANUTS, ARACHIS HYPOGAEA L.

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OF PEANUTS, ARACHIS HYPOGAEA L.

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TABLE OF CONTENTS

LIST OF TABLES

LIST OF APPENDIX TABLES

LIST OF FIGURES

# CHAPTER I

## INTRODUCTION

The peanut is one of the leading agricultural crops of the world for the production of oil and protein, and it is considered one of the basic crops in the United States. It is an important cash crop in Oklahoma and the other Southern states. The production and use of peanuts is increasing and will continue to increase as researchers develop new varieties with more desirable end use characteristics.

Since the peanut is destined for human consumption, the quality of the peanuts for specific end uses is particularly important. The existing varieties need to be improved for such characteristics as superior mill turn-out, easy blanching, excellent flavor, long shelf life, and disease and insect resistance in addition to high yield, oil and protein.

The existing germ plasm is too narrow to select strains possessing characteristics that meet the needs of the grower, processor, and consumer. At the present there is no known strain in the germ plasm that meets all of these needs. The Starr peanut cultivar is the only one grown in the southwest that has resulted from hybridization.

Plant breeders need to determine the mode of inheritance of the many genetic characters on which this information is lacking. A knowledge of the mode of inheritance would be a great asset to the plant breeder in transferring certain traits to the present peanut

cultivars.

Very little has been published concerning the characteristics of the approximately 2,500 peanut introductions. A complete genetic, cytological, agronomic, taxonomic, physiological, physical, chemical and organoleptic evaluation is needed to identify the desirable characteristics of peanut accessions. The task must be accomplished as rapidly as possible for plant breeders to have a wide selection of genetic information to use in their breeding programs.

A preliminary screening of 519 peanut accessions on the Paradise and Perkins Agronomy Research Stations in 1963 and 1964 indicated considerable genetic diversity.

The objective of this study was to evaluate 74 peanut accessions with respect to genetic, agronomic, botanical, physical, chemical and organoleptic characteristics to provide critical information for future improvement.

# CHAPTER II

# REVIEW OF LITERATURE

The peanut plant has been cultivated for at least 3,000 years. The development of the peanut industry to the present position has been long and slow.

To the casual observer a crop with so many wild relatives and distinct cultivated types available may suggest that opportunities for breeding improved cultivars are unlimited. Actually, this has not been the case because of the unsolved problems facing plant breeders. Interspecific crosses have failed, genetic information on foreign introductions is incomplete, linkage information is lacking, and intraspecific crosses have often produced undesirable progeny. A few geneticists and plant breeders are attempting to study inter- and intraspecific crosses, evaluate plant introductions, and determine the most efficient breeding methods to use for peanuts.

## Peanut Germ Plasm Resources

### Plant Introductions

Plant introductions are an important part of agriculture in the United States since most of the important crop species have been introduced from other countries. Though there were earlier plant importations, the United States Department of Agriculture began formal

importation of economically important plants for possible use in the agriculture of the United States in 1898 (21, 22). Since 1936 the USDA has introduced cultivated peanuts from the peanut growing countries of the world and four expeditions have been made to South America to collect cultivated and wild peanuts in their native home (12). Bailey (2) outlined the procedure for making Arachis germ plasm available to scientists. Seed of peanut introductions are planted at Beltsville, Maryland and carefully screened for possible seed borne diseases which may be new to this country. After digging, some of the seeds are sent with descriptive information to the Regional Plant Introduction Station at Experiment, Georgia for distribution to interested plant breeders, storage, or seed increase for subsequent distribution and storage.

Harlan (17) stressed the importance of introductions and the need to preserve the present germ plasm of the world. Introductions which may not be suitable as varieties in themselves, may have suitable characteristics for breeding work. The present germ plasm of the world must be collected and maintained as the centers of diversity are rapidly disappearing. Germ plasm must be collected and preserved in world collections before it is too late and lost forever (17). The peanut industry is already utilizing cultivars derived from foreign introductions with Argentine and Dixie Spanish.

## Genetics and Breeding

Gregory (12) gave three basic sources which plant breeders may use for genetic material in the breeding of peanuts. 1) Hereditary differences among the varieties of cultivated peanuts, 2) differences that may be created artificially by use of mutagens, and 3) differences

which occur among the wild relatives of the cultivated species. The hereditary differences among the varieties also applies to introductions.

A number of workers have reported on the genetics and breeding of peanuts. Van der Stok (45), as reported by Gregory (13), Hayes (18), and Hull (23), made a genetic study of peanuts as early as 1910. Van der Stok was the first to report an artificial cross of peanuts. He concluded that red testa color was dominant over pink color with a single factor difference responsible for the character. Despite great effort, little success has been achieved in peanut breeding. Gregory (13) contributed this slow progress to independent and isolated attempts of the small number of workers.

Hayes (18) made a study of 15 flower, vegetative, and seed characters in 45 cultivars of peanuts. He examined the possible correlations of all characters with each other. Eight of the 15 characters showed well-marked linkage or correlation with each other. Those influencing yield included length of leaves, length of petiole, length of rachis, length of sheath, width of leaves, corolla color, hairs on petiole, and number of seeds per plant. Hayes (18) stated that, "The relation between number of seeds and hairs on petiole is more important, and may be of immediate use in the selecting or breeding for high yielding qualities." Selection for higher yield could be made early in the growing season by selecting for high number of petiole hairs. Since the length of leaves and width of leaves are listed as influencing yield, it may be possible that leaf area would influence yield in the same manner.

Hayes (18) crossed two normal leaf types and obtained a normal

leaf type in the $F_1$ and segregation in the $F_2$ for mostly normal and a few "Crinkle." He attributed this to two complementary genes. Apparently, it was a different trait than the "Krinkle" mutant found in Texas (16). Hammons (16) reported that the mutant "Krinkle" was monogenic dominant for "Krinkle." "Crinkle" did not affect productivity of the plant, but "Krinkle" produced lower fruit yields than the normal type. In Oklahoma "Krinkle" produced 10 percent less than Argentine (44).

Hull (23) reported a summary of inheritance studies. The inheritance of rest periods in peanuts was multigenic. Seed length was studied in cross of Spanish and Runner. A single pair of major genes differentiated long and short seeds with the heterozygote being intermediate between the parents. The testa color of the above showed that russet color of Runner peanuts was a simple dominant to the tan color of Spanish peanuts. A number of crosses had yellow seedlings appearing among their progeny which indicated duplicate gene inheritance with the green being fully dominant.

Tripp (44) studied virescent seedlings, appearing in an introduction and found it to be a monogenic recessive. The virescent seedlings lacked chlorophyll and usually died within a short time.

The work of Stokes and Hull (43) showed that the cross of A. hypogaea x A. nambyquarae produce fertile $F_1$ hybrids that were about intermediate between the parent species. The red testa in A. nambyquarae was dominant to the russet and tan in A. hypogaea.

From inheritance studies involving several sources of the white testa, Hammons (15) concluded that two sets of duplicate genes,

$F_1f_1F_2f_2$ and $D_1d_1D_2d_2$, determined flesh-pigmented testa and the development or expression of color. In crosses involving Pearl or Philippine White as one of the parents the data supported a five-factor inheritance for white testa with red, Rr, behaving as a monogenic dominant to flesh. The genotype proposed for Pearl was RR $F_1F_1F_2F_2d_1d_1d_2d_2$ while that for Philippine White was rr $f_1f_1f_2f_2D_1D_1D_2D_2$.

Mutations

Gregory (10) studied several generations of NC 2 X-rayed seed. He found that the genetic variance among the radiated normals was four times that measured in the control progenies. In 1959 Gregory (11) released NC 4x which produced high yields with good fruit and seed quality. Gregory also obtained a considerable number of undesirable progeny by irradiation.

Cooper and Gregory (7) have made a study of the use of radiation for inducing resistance to leafspot. The disease scores indicated that the radiation-induced mutants had increased or decreased resistance. These studies showed that irradiation can be a useful means of obtaining genetic diversity.

The mutagen, diethyl sulfate, has been studied using two peanut cultivars (1). Diethyl sulfate proved to be an efficient mutagen. Varietal differences were noted in mutation yield and in physiological senitivity. Most of the mutations induced were monogenic with all but one recessive or partially dominant. A few of the mutations in each cultivar were pleiotropic.

Peanut research in Oklahoma has shown that mutations occurred in hybridization studies (unpublished). A considerable number of

undesirable progeny were obtained from the crosses. Among the progeny were virescents, albinos, sterility, and very small leaflets.

Speciation

A number of authors have reported on the cytology and chromosome numbers of the genus Arachis. Gregory, et al. (13) stated that, "The genus Arachis itself, before 1839, consisted of only one species, the cultivated peanut A. hypogaea." For a long time the systematic position of the genus Arachis was a debatable question. Bentham (4) compared Arachis with several other genera that had similar growth habit. He listed six species of Arachis, five perennials in Brazil and A. hypogaea, an annual indigenous to tropical America. John, et al. (28) stated that 13 species of Arachis have been described by botanists, and that all cultivated forms belong to A. hypogaea.

Husted (24, 25, 26) studied the chromosome number of 33 species, cultivars and hybrids. These included Arachis nambyquarae, three strains of A. rasteiro, and 29 cultivars or hybrids of A. hypogaea. All of the plants studied except one had 20 haploid chromosomes or 40 diploid chromosomes. The chromosomes were found to appear the same in size as well as the same in number. The one exception, a strain of A. rasteiro, had a diploid complement of 41 chromosomes plus a fragment. He found that the chromosome association at meiosis is usually 20 normal bivalents with an occasional multivalent. Since the chromosome complements in this study were very similar, Husted (25) indicated a monophyletic origin. It is possible that the species are allopolyploids with autosyndesis as the usual method of chromosome pairing. The peanut is possibly an autopolyploid formed by the

doubling of the chromosomes (26). Stebbins (42) stated that the peanut is probably an allopolyploid or segmental allopolyploid. Gustafsson, et al. (14) stated that it is probably an amphidiploid with partial homology between chromosomes belonging to different chromosome sets.

Kawakami (30), in his listing of chromosome numbers in Leguminosae, listed the chromosome numbers for Arachis hypogaea as n = 20 or 2n = 40. Senn (39) listed 2n = 40 for various cultivars of Arachis hypogaea. For the nine species of Arachis listed by Darlington (8), four were 2n = 20, four were 2n = 40 and one as both 2n = 20 and 2n = 40. Raman, et al. (37) stated that 22 species of Arachis have been enumerated of which eight are diploids (2n = 20) and the remainder are tetraploids (2n = 40). Three diploids, A. duranensis, A. villosa, and A. sp. (A. 329), were studied in interspecific crosses with Arachis hypogaea (36). A. 329 is Raman's designation for the unidentified A. sp. From the chromosome conjugation (10 II & 10 I) in the synthetic allotriploids, it was concluded that one genome of A. villosa and A. sp. (A. 329) are homologous with one of the two genomes of A. hypogaea (2n = 40).

Smartt (40) also studied the relationships between the cultivated peanut and other species of the genus Arachis. All the hybrids were sterile due to their triploid chromosome complement. Kumar, et al. (31) obtained a synthetic allohexaploid in Arachis by crossing A. hypogaea X A. villosa var. Correntina and doubling the chromosomes with colchicine. The cross was a sterile triploid that flowered profusely but did not set seed. After doubling the chromosomes with colchicine the plant was fertile and set seed. The chromosome

complement was (2n = 60) and had normal pairing of 30 II. Johansen, et al. (27) made a study of the cross Arachis hypogaea (2n = 40) X A. diogoi (2n = 20). No mature seed were formed, but the fruits developed to maturity. She made a cytological and histological study of the ovaries collected from one-half day to forty-four days after pollination. Fertilization had occurred and the hybrid embryos had developed for a time, but at a markedly slower rate than comparable A. hypogaea embryos and endosperms. The embryo continued to grow for a time, but death occurred when the embryo was crushed from the continued thickening of the integuments. The ovules then ceased growing and aborted.

It is now generally accepted that the cultivated peanut is a tetraploid. At present there are no contributions which show the homology of the diploids and the evolution of the cultivated peanut. It is possible that the cultivated peanut arose as an allopolyploid from the crossing of two related diploids with subsequent chromosome doubling. Since some diploid genomes will pair with one of the genomes of the tetraploid with occasional secondary pairing it is certainly within the realm of possibility.

## Origin and Early History

The exact origin of the peanut, Arachis hypogaea L., is unknown but there is considerable evidence that it is indigenous to South America, especially Brazil. It was known in Brazil and Peru as early as 950 B.C. (19, 48). MacNeish (32) stated that the peanut appeared archaeologically in coastal Peru at about 1000 B.C. which was earlier than it had been found elsewhere. "Thus peanuts seem to have originated in western South America, arriving in southern Mexico at about A.D. 300" (32).

Johnson (29) gave some theories concerning the origin of the peanut. The chief botanical argument that the peanut was indigenous to Brazil was because its wild species were found only in South America. Many of the domesticated cultivars appeared similar to the existing wild peanuts, and all of the known species of peanuts still exist in Brazil in the wild state. Archaeologists have added to the theory of South American origin by finding several cultivars associated with mummies in Peru.

Another theory indicated that the peanut was indigenous to both Africa and South America (29). It was not mentioned by any of the ancient Greek, Latin, and Arab authors, so it does not seem probable that the theory was true (29). In 1882 Candolle argued,

> ... A genus with all its known species thus confined to a single region of America can hardly have a species common to both the New World and the Old. That would be too great an exception to a common principle of phytogeography (5).

Vavilov (46) listed the peanut as an endemic plant in the Brazilian-Paraguayan subdivision of the South American center of origin. Mors and Rizzini (35) listed the peanut as a native of Brazil.

During the past 100 years the range of wild species of the peanut were found over more than a million square miles of South America (29).

The peanut was introduced into Africa by the early explorers and missionaries (6, 48). In 1966 de Wit (47) stated that the peanut was introduced into Africa in the 16th century. According to Darlington (9) the peanut was taken from Brazil to Peru, Africa, and India by the Portuguese, and to the Philippines by the Spaniards. Higgins (19)

wrote that, "Both Portuguese and Spaniards probably carried peanuts to the East Indies during the early years of the 16th century." According to Merrill (34) the primitive type of peanut found in the Peruvian tombs are commonly grown in Southern China, today. He reported that peanuts were taken there by Portuguese on the second trip to India from Brazil in 1500. The peanut was introduced into North America during colonial days by slave traders bringing slaves from Africa (48). The latter has been accepted as true, but some evidence indicated that it was grown in Mexico, Central America, and the West Indies before the arrival of the Europeans (19).

The peanut was not extensively grown in North America until after the Civil War in 1865 and then confined to Virginia and North Carolina (19, 20, 48).

# CHAPTER III

# MATERIALS AND METHODS

## Germ Plasm Evaluation

The peanut germ plasm used for this study included 74 of the best performing accessions from preliminary screening tests conducted in 1963 and 1964 and the commercial cultivars, Argentine, Spantex, and Starr. The introductions (accessions) evaluated in 1963 near Paradise and 1964 near Perkins on the Agronomy Research Stations are listed in Appendix Tables I and II. Preliminary tests and the new introductions evaluated in 1965 on the Agronomy Research Station near Perkins are listed in Appendix Tables III, IV, and V. The seed catalog information for the 74 peanut introductions evaluated in 1965 and 1966 on the Agronomy Research Station near Perkins and the Caddo Peanut Research Station near Ft. Cobb is presented in Appendix Table VI. Selected entries were evaluated in 1967 and are listed in Appendix Table XIII.

The Oklahoma Agricultural Experiment Station Peanut Number (P-No.) was assigned to each peanut introduction received from the United States Department of Agriculture, New Crops Branch, Southern Regional Plant Introduction Station.

The soil type in the plot area near Perkins was Norge loam for 1964, 1965 and 1967 tests and a Vanoss loam for the 1966 test. The soil type in the plot area near Ft. Cobb was a Cobb fine sandy

loam for the 1965 and 1966 tests.

## Experimental Procedure

Two hundred and fifty pounds per acre of 13-39-0 fertilizer was broadcast and worked into the soil prior to seeding at the Perkins Station. At the Ft. Cobb Station 200 pounds of 18-46-0 fertilizer was applied prior to plowing under a rye cover crop.

A randomized complete block design was used at both locations with two replications in 1965 and three replications in 1966 and 1967. Plantings were made at the rate of five seed per foot of row and approximately one and one-half to two inches deep. The rows were spaced 40 inches apart for tests near Perkins and 36 inches apart for tests near Ft. Cobb. Each plot near Perkins was two rows 19 feet long with four feet of alley between ranges and near Ft. Cobb each plot was two rows 20 feet long with four feet of alley between ranges.

During the growing seasons notes were recorded with respect to stand, vigor, time of bloom, incidence of diseases and insects, growth habit, plant height and width, and leaflet size. Stand and vigor were scored two to three weeks after emergence. The time of bloom was recorded as the date of first bloom. Diseases, including Cercospora leafspot scores, were obtained by periodic visual inspection of each plot. Insects, including thrips scores, were obtained by periodic visual inspection of each plot. The growth habit was determined in the latter part of the growing season by visual inspection of each plot. The plant height and width were determined from the mean of three randomly selected plants in each plot near to time of harvest.

The leaflet size was determined with an area-photometer. A microammeter reading was recorded and the area in $cm^2$ was determined from a previously constructed calibration curve. The leaflet size was then recorded as the mean of the 10 leaflets used. The upper left terminal leaflet from leaves obtained at the eighth node from the top of 10 randomly selected plants in each plot was measured.

The two-row plots were trimmed to 14 feet and 5 inches and 17 feet, respectively, in tests near Perkins and Ft. Cobb. The plots were then mechanically dug and allowed to cure in the windrow. The fruits were picked from the vines with a stationary picker modified for nursery plot work and after further curing in 50 pound mesh bags at ambient temperatures the peanuts were cleaned and weighed. The fruit yields per plot were then converted to pounds per acre of clean peanuts.

The grades for the accessions were determined on representative one pound plot samples by personnel of the Federal-State Inspection Service.

The oil and protein contents for samples of shelled peanuts from replication two of each entry were determined by personnel of the Department of Biochemistry.[1/] The peanut butter samples organoleptically evaluated in this study were prepared as follows:

1. Approximately 65 grams of kernels were selected from the first replication of each entry.

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[1/] The oil and protein were determined by Dr. James E. Webester, Department of Biochemistry.

2. Each sample of whole raw peanuts was roasted to a golden brown color at 400°F. in a rotisserie oven equipped with a rotating basket made of one-quarter-inch hardware cloth.

3. After cooling, the roasted peanuts were blanched and split in a small laboratory splitter to facilitate the removal of the testa and embryo.

4. The testa and cotyledon were separated with an aspirator, and the embryos were removed using appropriate sieves. Some hand picking was necessary to remove damaged cotyledons, embryos, and occasional testa adhering to the cotyledons.

5. The roasted, blanched, and degermed cotyledons were weighed, 0.5 percent salt added and ground into peanut butter in a Laboratory Quaker Mill, Model 4-E grinder with a worm feed adapted for oily products.

6. The peanut butter was placed in a glass jar and capped with an aluminum lined lid for organoleptic evaluation and storage. After evaluation the peanut butter samples were stored on a shelf at room temperature for approximately six months to determine the shelf life of the samples. After storage the samples were rated by odor as good, moderate, or bad.

The peanut butter samples were rated four at a time as superior to, equal to, or inferior to the standard reference sample in odor and flavor by each of five panel members. The reference sample was prepared before each taste panel from Argentine peanuts. The mean preference rank for the peanut butter samples was obtained using the ranking assigned by the five panel members. Each sample was scored for odor, flavor, taste, roast, texture and dryness according to the scoring values in Figure 1.

The roasted peanuts organoleptically evaluated in this study were prepared as follows:

1. One hundred kernels were selected from the first replication of each entry.

2. Each sample of whole raw peanuts was roasted to a golden brown

color at 400°F. in a rotisserie oven equipped with a rotating basket made of one-quarter-inch hardware cloth.

3. After cooling, 20 peanuts were placed on number cards for each of the five panel members. Each of the 20 peanuts had an assigned number from one to 20.

The panel members rated the flavor and roast of one degermed cotyledon from each of the 20 peanuts according to the qualitative categories listed at the bottom of Figure 2. The mean preference rank for the roasted peanut samples was obtained using the ranking assigned by the five panel members.

The data were analyzed using the IBM 1410 computer system in 1965 and the IBM 7040 computer system in 1966. The F and t values were used as presented by Snedecor (41).

# CHAPTER IV

# RESULTS AND DISCUSSION

## Germ Plasm Evaluation

Agronomic and physical data for 519 accessions grown in preliminary tests in 1963 and 1964, and 35 additional accessions received for evaluation in 1965 are summarized in Appendix Tables I through V. In 1964, 74 accessions were selected from the preliminary tests for further evaluation in replicated tests in 1965 and 1966. Selected accessions from these 74 were evaluated in replicated test in 1967.

The origin is known for 529 of the 554 accessions grown in 1963, 1964, and 1965. Most of the accessions came from Africa, 381 came from Northern Rhodesia and 17 came from other areas of Africa. Ninety six accessions came from South America, the center of origin for peanuts, and the remainder came from several countries.

In Appendix Table I, the remarks from the Plant Introduction Seed Catalog indicate considerable genetic variability. Many of the accessions are noted as having variable pods and seed.

The agronomic factors studied included stand, vigor, incidence of diseases and insects, fruit yield and grade of unshelled peanuts.

Botanical notes were obtained for growth habit and date of bloom.

Physical measurements were obtained and statistically analyzed

for seed size, plant height, plant width and leaflet area. Notes on lodging and soil shedding from the pods were obtained in 1966.

The organoleptic phase included preparation of peanut butter and roasted peanuts. Thirty three of the entries were evaluated in 1965 and 77 were evaluated in 1966. The odor rating after six months for shelf life of the peanut butter was determined for the entries grown in 1965.

The chemical phase included determination of oil and protein contents.

Agronomic

Stand and vigor were generally good with the exception of the 1963 test. Accessions of some plots had poor stand but poor stand did not account for all of the low yields. Plots were rated for stand and plant vigor two to three weeks after emergence.

Diseases. The major disease was Cercospora leafspot. Southern blight occurred in 1966 but was not a serious problem. In 1963, leafspot scores in July ranged from 0.5 to 3.5 on a scale of 0=no infection to 5=severe infection. Only three accessions (P-341, P-426, and P-486) scored above 2.0 on this date (Appendix Table I). In September the leafspot had increased to a range of 2.5 to 4.5 for most accessions. The accession P-856 had a very low leafspot score of 1.0. Fourteen of the 519 accessions had a leafspot score of 2.5 on September 21. None of the accessions tested in 1963 were immuned to Cercospora leafspot. The incidence of Cercospora leafspot was nil in 1964 and 1966. The leafspot scores for 1965 are listed in Appendix Table III.

Insects. The most noticeable insect damage was caused by thrips.

The thrips scores in 1963 (Appendix Table I) ranged from 0.5 to 3.0 on a scale of 0 = no damage to 4 = very severe damage. Most of the scores ranged from 1.0 to 2.0 which indicated that thrips were not serious in 1963. Thrips caused very little damage in 1964. The thrips scores for the 1965 preliminary tests are listed in Appendix Table III. The scores ranged from 1 to 9 on a scale of 0 = no damage to 9 = very severe damage. For most accessions the thrips scores were 6 to 9. The thrips scores for the new accessions received in 1965 are listed in Appendix Table IV. The thrips scores in this test ranged from 3 to 7.

The mean thrips scores for the replicated test in 1965 and 1966 are listed in Appendix Table VII. The mean thrips scores for the test in 1965 ranged from 2.0 (P-609, P-731) to 5.3 (P-889) on a scale of 0 = no damage to 9 = very severe damage. These genotypes were from Northern Rhodesia. In 1966, the mean thrips score ranged from 4.8 (P-301) to 6.3 (P-309). These genotypes were from Uruguay and Nyasaland, respectively. The mean thrips scores were higher in 1966 than those in 1965. The mean thrips scores for the two years ranged from 3.6 (P-4, P-609, P-731) to 5.7 (P-293).

Precipitation. The precipitation on the Agronomy Research Stations are listed in Appendix Tables VIII through XI. More precipitation was received on the Perkins Station in the 1965 and 1967 growing season but the distribution was very poor for these seasons. July was very dry in both years. In 1965, most of August was very dry and in 1967 the entire month was very dry. July was very dry on the Ft. Cobb Station in 1965 and 1966 but irrigation was used during the dry periods.

During the long dry period on the Perkins Station (four consecutive 10 day intervals from July 10 to August 18, 1965) it was noted that six peanut accessions appeared to have some drought tolerance based on the condition of the plants. As noted in Appendix Table III, P-349, P-350, P-382, and P-384 appeared to have fair drought tolerance while P-357 and P-364 appeared to have good drought tolerance. All of these are from Northern Rhodesia. Precipitation and its possible influence on agronomic and physical aspects are also discussed further.

Fruit and Kernel Yield. The mean fruit and kernel yields for the accessions grown in the 1963 preliminary test are listed in Appendix Table I. The mean fruit yield ranged from 164 (P-602, P-668, P-732, P-832) to 3270 pounds per acre (P-403, P-523). Some of the low yields could be attributed to poor stands, but some accessions with poor stands yielded more than others with better stands. The mean kernel yield for 1963 ranged from 63 (P-602) to 2135 pounds per acre (P-403).

The mean fruit and kernel yields for the accessions grown in the 1964 preliminary test are listed in Appendix Table II. The mean fruit yields ranged from 409 (P-602) to 3924 pounds per acre (P-552, P-678). The mean kernel yields ranged from 264 (P-602) to 2892 pounds per acre (P-552). Mean yields were generally higher in 1964 than in 1963.

The mean fruit yields for the accessions grown in the 1965 preliminary tests are listed in Appendix Table III and IV. The mean fruit yields ranged from 136 (P-599, P-835, P-866) to 3857 pounds per acre (P-416).

The mean fruit yields for the new accessions received and grown in 1965 are listed in Appendix Table V. The mean fruit yields ranged from

454 (P-950) to 3040 pounds per acre (P-972). The new accessions appeared to be as variable as the accessions grown previously.

Mean squares for fruit yields in the replicated tests in 1965 and 1966 and their combined analyses are listed in Table I. The mean fruit yields for the two years are listed in Appendix Table XII. The mean fruit yields at Perkins for 1965 ranged from 250 (P-819) to 1180 pounds per acre (P-529). The 1965 yields were considerably lower than the preliminary 1964 test. P-22, and P-529 were significantly higher in yield than the check Spantex (P-4), but none were significantly higher than Argentine (P-2) or Starr (P-6) at Perkins in 1965.

Precipitation distribution had a significant influence on the reduced 1965 yield. Although the total precipitation during the growing season was greater for 1965, the distribution was very poor (Appendix Tables VIII and XI). During July and August of 1965 there were more than 40 consecutive days with little or no precipitation. Good rains in late September were too late for the recovery from stress caused by drought. The precipitation for the 1966 growing season was less than for 1965 but the distribution was considerably better. Adequate precipitation came in July and August at the peak of the growing season (Appendix Tables VIII and XI).

The high temperatures accompanying the long, dry period during July and August probably affected the yield by reducing fertilization. Beer (3) found that high temperatures reduced pollen viability and caused longer style growth.

The mean fruit yield at Perkins in 1966 ranged from 559 (P-340) to 1936 pounds per acre (P-22). The mean for 1966 was nearly twice the

TABLE I

MEAN SQUARES FOR YIELD (lbs/A) FOR PEANUT INTRODUCTIONS GROWN IN 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Source of Variation | DF | | Perkins | | Ft. Cobb | |
|---|---|---|---|---|---|---|
| | 1965 | 1966 | 1965 | 1966 | 1965 | 1966 |
| Rep. | 1 | 1 | 395166.23** | 321663.37** | 102395.07 | 3081600.03** |
| P.I. | 76 | 76 | 73693.68** | 264940.38** | 643406.99** | 879460.23** |
| Error | 76 | 152 | 22348.28 | 58717.41 | 185776.82 | 149565.10 |
| Mean | | | 575.6 | 1065.2 | 2389.0 | 2064.4 |
| LSD .05 | | | 296.0 | 391.7 | 853.4 | 625.2 |
| CV (%) | | | 26.0 | 22.7 | 18.0 | 18.7 |

Combined Analyses

| Source of Variation | DF | | | | Source of Variation | DF | | |
|---|---|---|---|---|---|---|---|---|
| | 1965 | 1966 | 1965 | 1966 | | | Perkins | Ft. Cobb |
| Location | 1 | 1 | 2531942.96** | 115315927.00** | Year | 1 | 1134651.04** | 9735740.79** |
| Rep. in Loc.(Error) | 2 | 4 | 248837.09 | 1701654.20 | | | | |
| P.I. | 76 | 76 | 489044.56** | 876246.91** | P.I. | 76 | 262834.39** | 1205659.09** |
| Loc. x P.I. | 76 | 76 | 228057.63** | 268154.89** | Yr.x P.I. | 76 | 352711.71** | 317569.99** |
| Error | 152 | 304 | 104060.93 | 104140.63 | Error | 231 | 45989.25 | 159536.51 |
| Mean | | | 1482.3 | 1564.8 | | | 820.4 | 2226.7 |
| LSD .05 | | | 451.6 | 367.0 | | | 267.2 | 497.7 |
| CV (%) | | | 21.8 | 20.6 | | | 26.1 | 17.9 |

*Indicates significance at the one percent level.

mean for 1965 (Appendix Table XII). None of the accessions were significantly higher than the three check varieties in 1966. In the combined analyses of both years P-22 was significantly higher in yield than the three check varieties.

The differences among genotypes for mean fruit yields at Perkins in 1965 and 1966 were highly significant. In the combined analyses (Table I) the difference between years and among accessions were highly significant. A significant year x accession interaction occurred at both Perkins and Ft. Cobb (Table I). This would indicate that the genotypes did not respond the same to the environment of each year.

The mean fruit yield at Ft. Cobb for 1965 (Appendix Table XII) ranged from 854 (P-675) to 3844 pounds per acre (P-4). The mean fruit yield for 1966 ranged from 996 (P-885)to 2961 pounds per acre (P-634). The differences among accessions were highly significant in each year and in the combined analyses for both years. P-2, P-4, and P-6 had the highest yield at Ft. Cobb in 1965. P-560 was significantly higher in yield than P-6, but none were significantly higher than P-2 or P-4 in yield at Ft. Cobb in 1966. In the combined analyses of both years none of the accessions were higher in yield than the three varieties (P-2, P-4 or P-6). The difference in years was significant at the one percent level. The year x accession interaction was highly significant.

In the combined analyses the highly significant difference between locations was expected since one location received supplemental irrigation.

The mean fruit yields for the four test years ranged from 774

(P-885) to 2237 pounds per acre (P-22). The mean yield for the three cultivars used as check was 2136 pounds per acre.

In the combined analyses the differences among accessions were significantly different at the one percent level for the two locations in each of the years. The location x accession interaction was highly significant for both 1965 and 1966. This genotype x environment interaction was highly significant in each of the years and should be considered when evaluating strains for adaptation.

The mean fruit yields for the selected accessions grown in 1967 are listed in Appendix Table XIII. The mean yields ranged from 1134 (P-22) to 1439 pounds per acre (P-678). P-22 had the highest yield at Perkins in 1966 and the lowest yield in 1967.

The variances for fruit yields in 1967 are listed in Table II. The mean yields did not differ significantly in 1967.

Sound Mature Kernels. The mean percentages of total sound mature kernels for the preliminary tests grown in 1963 and 1964 are listed in Appendix Tables I and II. The mean total sound mature kernels ranged from 27.5 percent (P-602) to 77.2 percent (P-605) in 1963 and from 42.1 percent (P-384) to 75.6 percent (P-598) in 1964. These accessions were from Northern Rhodesia. The mean percentages of total sound mature kernels for the preliminary tests grown in 1965 are listed in Appendix Table III. The mean total sound mature kernels ranged from 29.7 percent (P-326) to 77.5 percent (P-596).

The mean total sound mature kernels for the replicated tests grown in 1965 and 1966 are listed in Appendix Table XIV. The mean total sound mature kernels ranged from 22.0 percent (P-808) to 65.0 percent (P-678) for Perkins in 1965 and from 54.5 percent (P-419)

TABLE II

MEAN SQUARES FOR FRUIT YIELD, PLANT HEIGHT, PLANT WIDTH, TOTAL SOUND MATURE KERNELS, SOUND SPLITS, OTHER KERNELS, DAMAGED KERNELS AND SEED SIZE FOR 1967

| Source of Variation | DF | Fruit Yield (lb/A) | Plant Height (cm) | Plant Width (cm) |
|---|---|---|---|---|
| Rep. | 2 | 67664.43* | 14.40 | 2.80 |
| P.I. | 9 | 25254.98 | 23.78* | 68.91* |
| Error | 18 | 14751.25 | 7.99 | 19.43 |
| Mean | | 1272.0 | 36.1 | 69.5 |
| LSD .05 | | N.S. | 4.8 | 7.6 |
| CV (%) | | 9.6 | 8.1 | 6.3 |

| Source of Variation | DF | Total SMK (%) | SS (%) | OK (%) | DK (%) | Seed Size gms/100 |
|---|---|---|---|---|---|---|
| Rep. | 1 | 0.20 | 0.20 | 6.05 | 1.25 | 7.94 |
| P.I. | 9 | 19.80** | 9.42** | 3.80 | 2.56 | 42.80** |
| Error | 9 | 2.31 | 1.64 | 1.72 | 2.03 | 3.24 |
| Mean | | 62.2 | 5.1 | 8.8 | 1.9 | 37.9 |
| LSD .05 | | 3.4 | 2.9 | N.S. | N.S. | 4.1 |
| CV (%) | | 2.4 | 25.1 | 15.0 | 75.0 | 4.8 |

*Indicates significance at the five percent level.
**Indicates significance at the one percent level.

to 68.0 percent (P-567, P-739) in 1966. The range was from 59.5 percent (P-25) to 78.5 percent (P-600) for Ft. Cobb in 1965, and from 65.0 percent (P-739, P-846) to 74.5 percent (P-309) in 1966.

The mean squares for total sound mature kernels are listed in Table III. There was a significant difference among accessions at the one percent level for both years at Perkins and Ft. Cobb. In the combined analyses there were significant differences among accessions for years and for locations. There was a significant interaction of location x accession for both years, and a significant interaction of years x accession for both locations. The accessions not performing the same at each of the locations can be illustrated by the fact that P-739 had the highest percentage of total sound mature kernels at Perkins and the lowest at Ft. Cobb in 1966.

The means for total sound mature kernels in 1967 are listed in Appendix Table XIII. The mean squares for 1967 are listed in Table II. The means ranged from 56.0 percent (P-609) to 66.0 percent (P-567). There were significant differences among accessions for mean percentages of total sound mature kernels. P-567 was significantly higher than P-4, but none of the entries were significantly higher than P-2 or P-6.

Sound Splits. The mean percentages of sound splits for the preliminary tests grown in 1963 and 1964 are listed in Appendix Tables I and II. The mean sound splits ranged from 0.2 (P-381, P-507) to 13.8 percent (P-670, P-725) in 1963 and from 0.1 (P-419, P-501, P-606) to 14.0 percent (P-4) in 1964. The mean percentages of sound splits for the preliminary tests grown in 1965 are listed in Appendix

TABLE III

MEAN SQUARES FOR PERCENTAGES OF SOUND MATURE KERNELS OF PEANUT INTRODUCTIONS GROWN IN 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Source of Variation | DF | Perkins | | Ft. Cobb | |
|---|---|---|---|---|---|
| | | 1965 | 1966 | 1965 | 1966 |
| Rep. | 1 | 246.92* | 224.65** | 10.92* | 1.88 |
| P.I. | 76 | 132.62** | 72.57** | 15.71** | 9.90** |
| Error | 76 | 37.26 | 10.28 | 2.46 | 5.65 |
| Mean | | 45.4 | 61.8 | 71.6 | 69.9 |
| LSD .05 | | 12.1 | 6.4 | 3.1 | 4.7 |
| CV (%) | | 13.4 | 5.2 | 2.2 | 3.4 |

Combined Analyses

| Source of Variation | DF | 1965 | 1966 | Source of Variation | DF | Perkins | Ft. Cobb |
|---|---|---|---|---|---|---|---|
| Location | 1 | 52730.15** | 4968.08* | Year | 1 | 20735.18** | 230.45** |
| Rep. in Loc.(Error) | 2 | 128.92 | 113.26 | | | | |
| P.I. | 76 | 83.84** | 48.77** | P.I. | 76 | 143.66** | 21.06** |
| Loc. x P.I. | 76 | 64.48** | 33.71** | Yr. x P.I. | 76 | 62.20** | 5.84* |
| Error | 152 | 19.86 | 7.97 | Error | 154 | 23.46 | 4.00 |
| Mean | | 58.5 | 65.8 | | | 53.6 | 70.7 |
| LSD .05 | | 6.2 | 3.9 | | | 6.8 | 2.8 |
| CV (%) | | 7.6 | 4.3 | | | 9.1 | 2.8 |

*Indicates significance at the five percent level.
**Indicates significance at the one percent level.

Table III. The mean sound splits ranged from 0.0 (P-326, P-799, P-924) to 15.0 percent (P-350).

The mean percentages of sound splits for the replicated tests grown in 1965 and 1966 are listed in Appendix Table XV. Sound splits ranged from 0.0 to 4.5 percent (P-731) for Perkins in 1965 and from 0.0 to 3.5 percent (P-17) in 1966. A number of accessions at Perkins did not have splits in 1965 or 1966. The range was from 1.0 to 8.0 percent for Ft. Cobb in 1965 and 0.0 to 10.5 percent (P-4) in 1966. A number of accessions at Ft. Cobb did not have splits in 1966.

The mean squares for sound splits are listed in Table IV. There were highly significant differences among accessions for the mean percentages of sound splits for both years at Perkins and Ft. Cobb. In the combined analyses significant interactions of location x accessions and year x accessions were obtained.

The mean percentages of sound splits in 1967 are listed in Appendix Table XIII. The mean squares for 1967 are listed in Table II. The means ranged from 2.0 (P-567) to 9.0 percent (P-4). There was a significant difference among accessions for mean percentages of sound splits. P-567 had significantly fewer sound splits than the three check cultivars. P-567 consistently had fewer sound splits than the three check cultivars in 1965 and 1966. It also had one of the higher percentages of sound mature kernels. P-567 appears to be a genotype that would be useful in a peanut breeding program.

Other Kernels. The mean percentages of other kernels for the preliminary tests grown in 1963 and 1964 are listed in Appendix Tables I and II. The mean percentage of other kernels ranged from 1.3 (P-447)

TABLE IV

MEAN SQUARES FOR PERCENTAGES OF SOUND SPLITS FOR PEANUT INTRODUCTIONS GROWN IN 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Source of Variation | Perkins | | Ft. Cobb | |
|---|---|---|---|---|
| | 1965 | 1966 | 1965 | 1966 |
| Rep. | 0.01 | 6.65** | 3.44 | 0.32 |
| P.I. | 0.98** | 1.25** | 5.83** | 6.16** |
| Error | 0.18 | 0.37 | 1.84 | 1.06 |
| Mean | 0.4 | 1.2 | 3.9 | 3.4 |
| LSD .05 | 0.8 | 1.2 | 2.7 | 2.0 |
| CV (%) | 110.0 | 51.3 | 35.0 | 30.4 |

Combined Analyses

| Source of Variation | DF | 1965 | 1966 | Source of Variation | DF | Perkins | Ft. Cobb |
|---|---|---|---|---|---|---|---|
| Location | 1 | 939.75** | 368.73** | Year | 1 | 50.73** | 18.75** |
| Rep. in Loc.(Error) | 2 | 1.72 | 3.48 | | | | |
| P.I. | 76 | 4.16** | 4.89** | P.I. | 76 | 1.64** | 9.16** |
| Loc. x P.I. | 76 | 2.65** | 2.51** | Yr. x P.I. | 76 | 0.60** | 2.83** |
| Error | 152 | 1.01 | 0.71 | Error | 154 | 0.27 | 1.43 |
| Mean | | 2.1 | 2.3 | | | 0.8 | 3.6 |
| LSD .05 | | 1.4 | 1.2 | | | 0.7 | 1.7 |
| CV (%) | | 47.2 | 36.9 | | | 65.6 | 33.4 |

**Indicates significance at the one percent level.

to 14.3 percent (P-589) in 1963 and from 1.3 (P-409) to 22.9 percent (P-513) in 1964. The mean percentages of other kernels for the preliminary tests grown in 1965 are listed in Appendix Table III. The mean percentages of other kernels ranged from 0.8 (P-34) to 21.6 percent (P-326).

The mean percentages of other kernels for the replicated tests grown in 1965 and 1966 are listed in Appendix Table XVI. The mean percent of other kernels ranged from 4.5 (P-824) to 37.0 percent (P-606) for Perkins in 1965 and from 3.0 (P-887) to 52.0 percent (P-25) in 1966.

The mean squares for other kernels are listed in Table V. There were significant differences among accessions for the mean percentages of other kernels at the one percent level for both years at Perkins and Ft. Cobb. In the combined analyses there was a significant interaction of location x accession for both years. The year x accession interaction was significant at Perkins, but not for the irrigated test near Ft. Cobb.

The mean percentages of other kernels in 1967 are listed in Appendix Table XIII. The mean squares for 1967 are listed in Table II. The means ranged from 7.0 (P-6, P-567) to 11.5 percent (P-22). Mean percentages of other kernels in 1967 were not statistically significant.

Damaged Kernels. There was little or no damaged kernels in any of the tests. In 1965 damage was significant at Perkins but not at Ft. Cobb. There was no damage for most accessions, but 16 of the 77 ranged from 0.5 percent to 1.5 percent. The damage was not extensive but was significant at the five percent level. No damaged kernels

TABLE V

MEAN SQUARES FOR PERCENTAGES OF OTHER KERNELS FOR PEANUT INTRODUCTIONS GROWN IN 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Source of Variation | DF | Perkins | | Ft. Cobb | |
|---|---|---|---|---|---|
| | | 1965 | 1966 | 1965 | 1966 |
| Rep. | 1 | 0.02 | 9.88 | 0.23 | 8.89* |
| P.I. | 76 | 44.57** | 66.63** | 7.21** | 5.00** |
| Error | 76 | 4.39 | 4.34 | 0.97 | 2.07 |
| Mean | | 11.4 | 7.9 | 2.8 | 4.7 |
| LSD .05 | | 4.2 | 4.1 | 2.0 | 2.9 |
| CV (%) | | 26.1 | 26.4 | 35.1 | 30.7 |

Combined Analyses

| Source of Variation | DF | 1965 | 1966 | Source of Variation | DF | Perkins | Ft. Cobb |
|---|---|---|---|---|---|---|---|
| Location | 1 | 5622.90** | 785.92* | Year | 1 | 943.25** | 277.97** |
| Rep. in Loc.(Error) | 2 | 0.13 | 9.38 | | | | |
| P.I. | 76 | 36.49** | 43.99** | P.I. | 76 | 80.97** | 10.27** |
| Loc. x P.I. | 76 | 15.29** | 27.63** | Yr.x P.I. | 76 | 27.62** | 1.95 |
| Error | 152 | 2.68 | 3.21 | Error | 231 | 4.31 | 1.50 |
| Mean | | 7.1 | 6.3 | | | 9.7 | 3.8 |
| LSD .05 | | 2.3 | 2.5 | | | 2.9 | 1.7 |
| CV (%) | | 23.1 | 28.5 | | | 21.6 | 32.2 |

*Indicates significance at the five percent level.
**Indicates significance at the one percent level.

occurred in 1966. Damaged kernels ranged from 0.0 to 4.0 percent in 1967 (Appendix Table XIII) and were not statistically significant.

## Botanical

Growth Habit. Most of the accessions grown in 1965 and 1966 were Spanish (Appendix Table I). However, one was a Runner (P-25), and three appeared to be Valencia. P-501 and P-807 were classified as Valencia, but the Plant Introduction Seed Catalog listed them as Spanish. P-516 was a Valencia listed as a Virginia Bunch in the Plant Introduction Seed Catalog.

Date of Bloom. The date of bloom was recorded for the replicated tests in 1965 and 1966. The date of first bloom was similar for the accessions in each test. The date of first bloom at Perkins was 27-30 days after planting. At. Ft. Cobb the date of first bloom occurred 30-35 days after planting.

## Physical

Seed Size. The seed size for the accessions grown in the 1963 preliminary test are listed in Appendix Table I. The seed size information in the Plant Introduction Seed Catalog was recorded as grams per 100 seed or small, medium, and large.

Information on seed size taken from the Plant Introduction Seed Catalog for the accessions in the 1965 and 1966 replicated tests is listed in Appendix Table VI. The mean seed size for the replicated tests grown in 1965 and 1966 are listed in Appendix Table XVII. The mean seed size ranged from 22.8 (P-22) to 39.7 grams per 100 seed (P-819) for Perkins in 1965 and from 30.4 (P-25) to 48.5 grams per

100 seed (P-839) for Perkins in 1966. For both years combined seed size ranged from 28.0 (P-17) to 42.7 grams per 100 seed (P-819). The mean seed size ranged from 24.3 (P-17) to 56.4 grams per 100 seed (P-824) for Ft. Cobb in 1965 and from 32.5 (P-512) to 50.9 grams per 100 seed (P-824) for Ft. Cobb in 1966. For both years combined the seed size ranged from 32.6 (P-512) to 53.6 grams per 100 seed (P-824). The means for four tests ranged from 30.5 (P-512) to 47.8 grams per 100 seed (P-824).

The mean squares for seed size are listed in Table VI. There were highly significant differences for mean seed size among accessions for both years at Perkins and Ft. Cobb. In the combined analyses there were highly significant differences for mean seed size among accessions for years and locations.

The mean seed sizes were significantly different between years at Perkins and Ft. Cobb There was a significant interaction of location x accession each of the two years and a significant interaction of years x accessions for each of the two locations. There was a large variation among the accessions for seed size as is indicated by the means. Mean seed sizes for accessions appeared to be influenced by the environment as is indicated by the genotype x environment interaction.

The mean seed sizes for the accessions grown in 1967 are listed in Appendix Table XIII. The mean seed sizes ranged from 32.7 (P-4) to 47.5 grams per 100 seed (P-861).

The mean squares for seed size in 1967 are listed in Table II. Highly significant differences were obtained among mean seed sizes

TABLE VI

MEAN SQUARES FOR SEED SIZE (gms/100) FOR PEANUT INTRODUCTIONS GROWN IN 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Source of Variation | DF | Perkins | | Ft. Cobb | |
|---|---|---|---|---|---|
| | | 1965 | 1966 | 1965 | 1966 |
| Rep. | 1 | 19.22** | 45.60** | 1.04 | 6.08 |
| P.I. | 76 | 21.29** | 43.47** | 53.40** | 41.01** |
| Error | 76 | 3.11 | 2.12 | 3.64 | 3.02 |
| Mean | | 29.6 | 37.9 | 43.3 | 42.0 |
| LSD .05 | | 3.5 | 2.9 | 3.8 | 3.5 |
| CV (%) | | 6.0 | 3.8 | 4.4 | 4.1 |

Combined Analyses

| Source of Variation | DF | 1965 | 1966 | Source of Variation | DF | Perkins | Ft. Cobb |
|---|---|---|---|---|---|---|---|
| Location | 1 | 14464.45** | 1299.29** | Year | 1 | 5304.53** | 130.13** |
| Rep. in Loc.(Error) | 2 | 10.14 | 25.84 | | | | |
| P.I. | 76 | 54.65** | 72.77** | P.I. | 76 | 32.47** | 72.40** |
| Loc. x P.I. | 76 | 20.05** | 11.71** | Yr.x P.I. | 76 | 13.30** | 7.00** |
| Error | 152 | 3.38 | 2.57 | Error | 154 | 2.58 | 3.29 |
| Mean | | 36.4 | 40.0 | | | 33.8 | 42.6 |
| LSD .05 | | 2.6 | 2.2 | | | 2.2 | 2.5 |
| CV (%) | | 5.0 | 4.0 | | | 4.8 | 4.3 |

*Indicates significance at the five percent level.
**Indicates significance at the one percent level.

for accessions grown in 1967. Starr (P-6) was the largest of the three varieties. Two accessions (P-567 and P-861) had significantly larger seed than P-6. Spantex (P-4) was the only entry with significantly smaller seed than P-6.

Plant Height. The mean plant heights for the preliminary test grown in 1964 are listed in Appendix Table II. The mean heights ranged from 28 (P-528, P-595, P-612, P-747, P-837) to 56 centimeters (P-491, P-808). Eighty two percent of the means in this test ranged from 30 to 40 centimeters in height. The mean plant heights for the preliminary tests in 1965 are listed in Appendix Tables III and IV. The mean heights ranged from 30 (P-841) to 61 centimeters (P-737). Nine accessions were nearly as tall as P-737 with a height of 58 centimeters. Sixteen percent of the accessions ranged from 30 to 40 centimeters in height. The mean heights for new accessions received in 1965 ranged from 20 meters to 48 centimeters.

The mean plant heights for the replicated tests in 1965 and 1966 are listed in Appendix Table XVIII. The mean heights ranged from 22 (P-25) to 50 centimeters (P-532) for Perkins 1965 and from 30 (P-447) to 53 centimeters (P-477) for Perkins 1966. The combined means for the two years ranged from 27 (P-25) to 50 centimeters (P-477). The mean plant heights ranged from 46 (P-25) to 88 centimeters (P-516) for Ft. Cobb in 1965 and from 53 (P-447) to 86 centimeters (P-477, P-598) for Ft. Cobb in 1966. The combined means for the two years ranged from 50 (P-447) to 82 centimeters (P-598). The mean plant heights of the four tests ranged from 40 (P-25) to 65 centimeters (P-477). The mean plant heights in the irrigated Ft. Cobb tests were 66

centimeters compared with 38 for the non-irrigated Perkins tests.

The mean squares for replicated tests grown in 1965 and 1966 are listed in Table VII. The differences in mean plant heights among accessions were highly significant in 1965 and 1966 at Perkins and Ft. Cobb. In the combined analyses there were significant differences among accessions for both years and locations. The variance for the interaction location x accession was significant in 1966, but not in 1965. The year x accession interaction was significant for both locations. The large mean squares obtained for location, year and P. I. indicated these sources of variation had more important influences on plant heights than the interactions.

The mean plant heights for the accessions grown in 1967 are listed in Appendix Table XIII. The mean plant heights ranged from 30 (P-22) to 40 centimeters (P-861). The mean squares for plant height are listed in Table II. The differences in mean plant heights for the accessions grown in 1967 were significant. None of the accessions were significantly taller than the three check cultivars.

Plant Width. The mean plant widths for the preliminary tests in 1965 are listed in Appendix Tables III and IV. The mean plant widths in 1965 ranged from 46 (P-826) to 127 centimeters (P-458). The plant widths for the new accessions received in 1965 are listed in Appendix Table V. They ranged from 61 (P-941) to 114 centimeters (P-977).

The mean plant widths for the replicated tests in 1965 and 1966 are listed in Appendix Table XIX. The mean plant widths ranged from 50 (P-315, P-415) to 89 centimeters (P-501) for Perkins 1965 and from

TABLE VII

MEAN SQUARES FOR PLANT HEIGHTS (cm) FOR PEANUT INTRODUCTIONS GROWN IN 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Source of Variation | DF | | Perkins | | Ft. Cobb | |
|---|---|---|---|---|---|---|
| | 1965 | 1966 | 1965 | 1966 | 1965 | 1966 |
| Rep. | 1 | 2 | 81.10** | 272.90** | 554.06** | 37.94 |
| P.I. | 76 | 76 | 53.61** | 50.77** | 129.29** | 151.68** |
| Error | 76 | 152 | 8.39 | 15.10 | 49.35 | 40.13 |
| Mean | | | 36.3 | 39.6 | 63.2 | 68.8 |
| LSD .05 | | | 5.6 | 6.4 | 14.0 | 10.2 |
| CV (%) | | | 7.9 | 9.8 | 11.1 | 9.2 |

Combined Analyses

| Source of Variation | DF | | | | Source of Variation | DF | Perkins | Ft. Cobb |
|---|---|---|---|---|---|---|---|---|
| | 1965 | 1966 | 1965 | 1966 | | | | |
| Location | 1 | 1 | 55176.41** | 98584.32** | Year | 1 | 1006.24** | 2897.66** |
| Rep. in Loc.(Error) | 2 | 4 | 317.55 | 155.48 | | | | |
| P.I. | 76 | 76 | 144.45** | 159.16** | P.I. | 76 | 101.10** | 188.24** |
| Loc. x P.I. | 76 | 76 | 38.45 | 43.29** | Yr.x P.I. | 76 | 17.67* | 65.91** |
| Error | 152 | 304 | 28.84 | 27.61 | Error | 231 | 12.69 | 42.65 |
| Mean | | | 49.8 | 54.1 | | | 38.0 | 66.0 |
| LSD .05 | | | 7.6 | 6.1 | | | 4.4 | 8.1 |
| CV (%) | | | 10.8 | 9.7 | | | 9.4 | 9.9 |

*Indicates significance at the five percent level.
**Indicates significance at the one percent level.

53 (P-370) to 90 centimeters (P-477) for Perkins 1966. The combined means for the two tests at Perkins ranged from 52 (P-370) to 89 centimeters (P-477). The mean plant widths ranged from 107 (P-675) to 137 centimeters (P-471, P-501) for Ft. Cobb 1965. The plant widths were not obtained at Ft. Cobb in 1966. The mean for the three tests ranged from 74 (P-614) to 105 centimeters (P-501). The plants in the irrigated Ft. Cobb test were about 60 centimeters wider than those in the dryland Perkins test. The condition was similar for plant height. The tall plants at Ft. Cobb lodged, but four accessions (P-301, P-561, P-634, P-808) remained erect. Short narrow plant types like P-447 and P-614 may be more desirable for growing under irrigation. There were seven accessions with shorter plants than P-2 at Ft. Cobb in 1965 and 32 shorter than P-2 in 1966.

The mean squares for plant width are listed in Table VIII. The differences in mean plant widths were highly significant among accessions for each year at Perkins, but they were not significantly different at Ft. Cobb in 1965. In the combined analyses there was a significant difference among accessions for 1965. There was a significant difference between locations in 1965. There was a significant difference between years at Perkins even though the mean plant widths were similar for the two years. This most likely resulted from the greater moisture stress in 1965. The plant width variance for location x accession interaction was significant in 1965. The accessions responded differently at each location in 1965 for plant width but not for plant height. The year x accession interaction was not significant at Perkins. The severe moisture stress in 1965

TABLE VIII

MEAN SQUARES FOR PLANT WIDTHS (cm) FOR PEANUT INTRODUCTIONS GROWN IN 1965 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB AND IN 1966 NEAR PERKINS, OKLAHOMA

| Source of Variation | DF | | Perkins | | Ft. Cobb |
|---|---|---|---|---|---|
| | 1965 | 1966 | 1965 | 1966 | 1965 |
| Rep. | 1 | 2 | 1560.51** | 730.71** | 1402.96** |
| P.I. | 76 | 76 | 192.39** | 157.23** | 85.55 |
| Error | 76 | 152 | 48.26 | 57.23 | 68.19 |
| Mean | | | 62.7 | 65.5 | 123.2 |
| LSD .05 | | | 13.7 | 12.2 | N.S. |
| CV (%) | | | 11.0 | 11.5 | 6.7 |

Combined Analyses

| Source of Variation | DF | 1965 | Source of Variation | DF | Perkins |
|---|---|---|---|---|---|
| Location | 1 | 280594.08** | Year | 1 | 724.42** |
| Rep. in Loc.(Error) | 2 | 1481.80 | P.I. | 76 | 316.53** |
| P.I. | 76 | 159.42** | | | |
| Loc. x P.I. | 76 | 118.58** | Yr. x P.I. | 76 | 8.60 |
| Error | 152 | 58.19 | Error | 231 | 53.53 |
| Mean | | 93.0 | | | 64.1 |
| LSD .05 | | 10.7 | | | 9.1 |
| CV (%) | | 8.2 | | | 11.4 |

**Indicates significance at the one percent level.

probably contributed to the difference between years, but the accessions responded similarly within years at Perkins.

The mean plant widths for the accessions grown in 1967 are listed in Appendix Table XIII. The mean plant widths ranged from 62 (P-22) to 75 centimeters (P-678). The mean squares for plant width are listed in Table II. The mean plant widths for the accessions grown in 1967 were significantly different. None of the accessions were significantly wider than the three varieties, but one accession (P-22) was narrower than P-2 and P-6.

Leaflet Area. The mean leaflet areas (per leaflet) for the preliminary test grown in 1964 are listed in Appendix Table II. The mean leaflet area ranged from 6.0 (P-343) to 22.7 square centimeters (P-676). The mean leaflet areas for the replicated tests grown at Perkins in 1965 and 1966 and the 1964 accessions common to the replicated tests are listed in Appendix Table XX. The mean leaflet area in 1964 for the 77 accessions ranged from 7.8 (P-25) to 17.5 square centimeters (P-675). The mean leaflet area for the replicated tests ranged from 7.8 (P-25) to 20.2 square centimeters (P-340) in 1965 and from 4.0 (P-25) to 18.3 square centimeters (P-608, P-609) in 1966. The mean leaflet area for the three test years ranged from 6.5 (P-25) to 16.8 square centimeters (P-608) per leaflet.

The mean squares for leaflet area are listed in Table IX. The mean leaflet areas for the accessions grown in 1965 and 1966 were significantly different. None of the accessions had significantly smaller leaflet areas than the three varieties and six were significantly greater than P-2 in 1965. One accession was significantly less than

TABLE IX

MEAN SQUARES FOR LEAFLET AREA ($cm^2$) FOR PEANUT INTRODUCTIONS GROWN IN 1965 AND 1966 AT THE AGRONOMY RESEARCH STATION NEAR PERKINS, OKLAHOMA

| Source of Variation | DF | | Perkins | |
|---|---|---|---|---|
| | 1965 | 1966 | 1965 | 1966 |
| Rep. | 1 | 2 | 238.13** | 48.78** |
| P.I. | 76 | 76 | 12.02** | 12.32** |
| Error | 76 | 152 | 6.69 | 4.74 |
| Mean | | | 15.1 | 14.2 |
| LSD .05 | | | 5.2 | 3.5 |
| CV (%) | | | 17.2 | 1.5 |

**Indicates significance at the one percent level.

P-4 and three were significantly greater than P-6 in 1966.

Hayes (18) reported significant positive correlations for length, and width of peanut leaves with the number of seed per plant. Since the number of seed influences fruit yield, and length and width of leaves is related to leaflet area, it is possible that fruit yield and leaflet area may be correlated. Leaflet area per se in these studies did appear to be related to yield. However, the data were not taken on the leaflet area per plant and no conclusions can be made concerning the relationship of yield and leaflet area. These studies do establish that differences exist in leaflet areas among accessions to expect that progress can be made using this character in a breeding program.

Soil Shedding. A visual inspection was made of the fruit after digging the replicated test in 1966, to determine the amount of soil shedding from the fruit. Six accessions (P-340, P-397, P-447, P-532, P-560, P-808) had good soil shedding at Perkins and Ft. Cobb. Eight accessions (P-17, P-22, P-304, P-317, P-529, P-577, P-731, P-739) had poor soil shedding at both locations. Other accessions ranged from good to fair or fair to poor rating. The soil shedding was generally better for Perkins than Ft. Cobb.

Organoleptic

An organoleptic evaluation was made of 32 randomly selected accessions and Argentine (P-2) at each location in 1965 and on the 74 accessions and P-2, P-4, P-6 at each location in 1966. The evaluation included both peanut butter and roasted peanuts. The peanut butter samples from four accessions and the Argentine reference sample were

evaluated each day by the five member taste panel. The roasted peanut samples were also evaluated by a different panel.

Mean Rank. The five peanut butter samples evaluated each day by the panel were rated one to five based on their preference with one as the sample most preferred and five as the sample least preferred. The mean ranks (Appendix Tables XXI and XXII) ranged from 2.1 for P-415 to 3.9 for P-293 and P-893 in 1965, and from 1.7 for P-22 to 4.6 for P-419, P-529, and P-824 in 1966.

The mean squares are listed in Table X. The mean rank among accessions was significantly different each year. Mean ranks for locations were not significantly different, but the location x accession interaction was significant each year. The significant variance for interaction indicated that the accessions do not respond similarly at each location. None of the accessions had a significantly more desirable mean rank than Argentine.

Odor. The odor rating was determined by smelling the peanut butter sample and rated according to the scale of 1 = none and 4 = strong shown on the peanut butter rating form (Appendix Figure 1). The mean odors scores (Appendix Tables XXI and XXII) ranged from 2.2 (weak to moderate) for P-644 to 3.4 (moderate to strong) for P-451, P-471, P-718, and P-824 in 1965 and from 2.2 for P-731 and P-887 to 3.8 for P-532 in 1966.

The mean squares are listed in Table X. The mean odor scores among accessions, locations, and panel members were each significantly different in 1965 and 1966. The location x accession interaction was significant in 1966, only. None of the accessions had significantly

TABLE X

MEAN SQUARES FOR ORGANOLEPTIC EVALUATION OF PEANUT BUTTER SAMPLES FROM PEANUT INTRODUCTIONS GROWN IN 1965 AND 1966

| Source of Variation | DF | | Mean Rank | | Odor | |
|---|---|---|---|---|---|---|
| | 1965 | 1966 | 1965 | 1966 | 1965 | 1966 |
| Location | 1 | 1 | 5.34 | 0.42 | 3.71** | 3.51* |
| P.I. | 32 | 76 | 2.65* | 4.42** | 1.15** | 1.58** |
| Panel | 4 | 4 | 1.31 | 2.07 | 15.14** | 3.07** |
| Loc. x P.I. | 32 | 76 | 3.23** | 3.19** | 0.71 | 0.97* |
| Error | 260 | 612 | 1.58 | 1.76 | 0.55 | 0.70 |
| Mean | | | 3.2 | 3.1 | 3.0 | 3.0 |
| LSD .05 | | | 1.1 | 1.2 | 0.6 | 0.7 |
| CV (%) | | | 39.6 | 42.6 | 25.0 | 27.5 |

| Source of Variation | DF | | Flavor | | Taste | |
|---|---|---|---|---|---|---|
| | 1965 | 1966 | 1965 | 1966 | 1965 | 1966 |
| Location | 1 | 1 | 0.68 | 4.52** | 0.05 | 0.95 |
| P.I. | 32 | 76 | 1.72* | 1.11** | 1.24** | 1.06** |
| Panel | 4 | 4 | 3.37* | 2.08** | 10.32** | 1.34* |
| Loc. x P.I. | 32 | 76 | 1.12 | 0.81** | 1.07** | 0.67** |
| Error | 260 | 612 | 1.09 | 0.45 | 0.50 | 0.44 |
| Mean | | | 2.8 | 2.2 | 3.1 | 1.8 |
| LSD .05 | | | 0.9 | 0.6 | 0.6 | 0.6 |
| CV (%) | | | 36.8 | 31.0 | 23.2 | 35.7 |

*Indicates significance at the five percent level.
**Indicates significance at the one percent level.

TABLE X (Continued)

| Source of Variation | DF | | Roast | | Texture | |
|---|---|---|---|---|---|---|
| | 1965 | 1966 | 1965 | 1966 | 1965 | 1966 |
| Location | 1 | 1 | 0.08 | 0.08 | 0.44 | 9.60** |
| P.I. | 32 | 76 | 2.55** | 1.44** | 0.40 | 0.73 |
| Panel | 4 | 4 | 7.28** | 5.79** | 1.67* | 19.48** |
| Loc. x P.I. | 32 | 76 | 2.36** | 0.82** | 0.96* | 0.52 |
| Error | 260 | 612 | 0.81 | 0.35 | 0.53 | 0.57 |
| Mean | | | 2.6 | 1.9 | 3.5 | 1.4 |
| LSD .05 | | | 0.8 | 0.5 | N.S. | N.S. |
| CV (%) | | | 34.1 | 30.9 | 21.0 | 54.6 |

| Source of Variation | DF | | Dryness | | Source of Variation | DF | | Peanut Butter % | |
|---|---|---|---|---|---|---|---|---|---|
| | 1965 | 1966 | 1965 | 1966 | | 1965 | 1966 | 1965 | 1966 |
| Location | 1 | 1 | 6.41** | 30.40** | Location | 1 | 1 | 38.03* | 108.22** |
| P.I. | 32 | 76 | 1.04* | 0.87** | P.I. | 32 | 76 | 8.81 | 7.27 |
| Panel | 4 | 4 | 10.03** | 2.49** | | | | | |
| Loc. x P.I. | 32 | 76 | 1.27** | 0.55 | | | | | |
| Error | 260 | 612 | 0.63 | 0.57 | Error | 32 | 76 | 8.00 | 5.08 |
| Mean | | | 2.3 | 2.1 | | | | 85.1 | 83.6 |
| LSD .05 | | | 0.7 | 0.7 | | | | N.S. | N.S. |
| CV (%) | | | 33.9 | 35.2 | | | | 3.3 | 2.7 |

*Indicates significance at the five percent level.
**Indicates significance at the one percent level.

more desirable odor scores than Argentine.

Flavor. The mean flavor scores were determined after tasting each sample of peanut butter and were rated as: 1 = excellent, 2 = good, 3 = low, or 4 = off flavor. The mean flavor scores (Appendix Tables XXI and XXII) ranged from 1.6, excellent to good for P-893 to 3.4, low to off flavor for P-2 in 1965 and from 1.6 for P-2 and P-861 to 3.1 for P-824 in 1966.

The mean squares are listed in Table X. The mean flavor scores among accessions and panel members were significantly different in 1965 and 1966, and locations were significantly different in 1966. The variance for location x accession interaction was significant in 1966, but not in 1965. Five accessions, P-451, P-516, P-678, P-739, P-893, had significantly more desirable flavor scores than Argentine in 1965, but none were superior to Argentine in 1966. Argentine samples were rated rather low for flavor in 1965, but were rated high for flavor in 1966.

Taste. The taste mean scores were determined after tasting each sample of peanut butter and were rated as: 1 = sweet, 2 = fair, 3 = bitter, and 4 = sour. The mean taste scores (Appendix Table XXI and XXII) ranged from 2.5 (fair to bitter) for P-882 to 3.7 (bitter to sour) for P-552 and P-887 in 1965 and from 1.3 (sweet to fair) for P-294 and P-882 to 2.7 (fair to bitter) for P-824 in 1966. The taste was rated high in 1966.

The mean squares are listed in Table X. The mean taste scores among accessions and panel members were significantly different in 1965 and 1966. Locations were not significantly different in either

year. The variances for the location x accession interaction were significantly different in 1965 and 1966. Four accessions (P-654, P-824, P-828, P-882) had significantly more desirable taste scores than Argentine in 1965, but none were rated superior to Argentine in 1966.

Roast. The mean roast scores were made by visual inspection of the peanut butter samples compared with standards and were rated on the scale of: 1 = excellent, 2 = good, 3 = under, and 4 = over. The mean roast scores (Appendix Table XXI and XXII) ranged from 1.4 (excellent to good) for P-739 to 3.4 (under) for P-431, in 1965 and from 1.4 for P-2 and P-592 to 3.6 for P-560 in 1966.

The mean squares are listed in Table X. The mean roast scores among accessions and panel members were significantly different in 1965 and 1966. The variances for location x accession interaction were significant in 1965 and 1966. Two accessions (P-552 and P-739) had significantly better roast scores than Argentine in 1965, but none were significantly better than Argentine in 1966.

Texture. The texture rating was made by visual inspection of of each peanut butter sample and rated as: 1 = smooth, 2 = mealy, 3 = mushy, and 4 = chunky. The mean texture scores (Appendix Tables XXI and XXII) ranged from 3.1 (mushy to chunky) for P-463 and P-529 to 4.0 (chunky) for P-861 in 1965 and from 1.0 (smooth) for 12 accessions to 2.0 (mealy) for P-824 in 1966.

The mean squares are listed in Table X. The mean texture scores among accessions did not differ significantly in 1965 or in 1966. The mean textures scores among panel members were significantly different

both years. Texture scores between locations were significantly different in 1966. The variances for location x accessions interaction was significant in 1965. Ft. Cobb had more desirable texture scores than Perkins in 1966. None of the accessions were significantly better than Argentine.

Dryness. The dryness scores were made by visual inspection of each peanut butter sample and rated as: 1 = moist, 2 = moderate, 3 = oily, and 4 = very dry. The mean dryness scores (Appendix Tables XXI and XXII) ranged from 1.7 (moist to moderate) for P-431 to 3.2 (oily) for P-861 in 1965 and from 1.6 for P-861 to 3.3 for P-824 in 1966.

The mean squares are listed in Table X. The mean dryness scores among locations, accessions, and panel members were significantly different in 1965 and 1966. The variance for location x accession interaction was significant in 1965, but not in 1966. None of the accessions were rated superior to Argentine with respect to dryness.

Peanut Butter Percent. The percentages of peanut butter were determined by dividing the peanut sample weight after roasting, blanching and degerming by the raw peanut sample weight before roasting. The mean peanut butter percentages (Appendix Tables XXI and XXII) ranged from 77.9 for P-644 to 87.8 percent for P-882 in 1965 and from 73.4 for P-25 to 86.6 percent for P-477 in 1966.

The mean squares are listed in Table X. The mean percentages of peanut butter among accessions did not differ significantly. The percentages of peanut butter among locations were significantly different in 1965 and 1966 with Ft. Cobb samples having higher percentages

of peanut butter than Perkins.

Peanut Butter Reference Samples. The peanut butter data for the Argentine reference samples were analyzed statistically to determine the uniformity among samples used on different days. There were no significant differences among the days the reference samples were used for any of the factors rated in 1965. There were significant differences among days tasted for mean rank, flavor, taste, and texture in 1966. The mean ranks may have been influenced by the accessions that were compared with the reference samples each day, but they were not significant in 1965. Since significant differences were obtained in 1966 ratings for four factors it is possible that procedures for tasting the peanut butter samples should be improved.

Cler Score. The Cler scores were calculated according to the procedure shown on the roasted peanut form (Appendix Figure 2). Each of the 20 degermed cotyledons from each accession were rated according to the four qualitative categories on the rating form. The mean Cler scores (Appendix Tables XXI and XXII) ranged from 35.4 for P-529 to 62.7 for P-678 in 1965 and from 40.2 for P-606 to 71.8 for P-431 in 1966. None were rated significantly higher than Argentine in either 1965 and 1966.

The mean squares are listed in Table XI. The mean Cler scores among accessions, locations, panel members and location x accession were significantly different in 1965 and 1966. Since the accessions do not respond the same at each location, the better rated ones at each location should be considered for peanut breeding to produce varieties for the respective areas. It was apparent that accessions

TABLE XI

MEAN SQUARES FOR ORGANOLEPTIC EVALUATION OF ROASTED PEANUTS FROM PEANUT INTRODUCTIONS GROWN IN 1965 AND 1966

| Source of Variation | DF | | Cler Score | | Roast Score | | Rank | |
|---|---|---|---|---|---|---|---|---|
| | 1965 | 1966 | 1965 | 1966 | 1965 | 1966 | 1965 | 1966 |
| Location | 1 | 1 | 8340.24** | 1028.70* | 0.89 | 0.01 | 6.41* | 2.99 |
| P.I. | 32 | 76 | 664.69** | 318.78** | 0.51* | 0.09** | 2.28 | 3.98** |
| Panel | 4 | 4 | 6043.27** | 7365.28** | 0.32 | 8.96** | 0.59 | 1.32 |
| Loc. x P.I. | 32 | 76 | 857.81** | 288.59** | 0.62** | 0.07** | 3.62** | 3.00** |
| Error | 260 | 612 | 303.13 | 173.10 | 0.32 | 0.04 | 1.57 | 1.70 |
| Mean | | | 51.9 | 58.5 | 2.5 | 1.6 | 3.1 | 3.0 |
| LSD .05 | | | 15.3 | 11.5 | 0.3 | 0.2 | N.S. | 1.1 |
| CV (%) | | | 33.5 | 22.5 | 22.1 | 12.3 | 40.3 | 43.3 |

*Indicates significance at the five percent level.
**Indicates significance at the one percent level.

such as P-25, P-529, P-560, P-606 and P-634 were rated lower than Argentine in the flavor of roasted peanuts.

Roast Score. The mean roast scores were determined by visual inspection of the samples compared with standards in the degree of roast. The mean roast scores ranged from 2.0 (good) for P-718 to 3.0 (under) for P-447 in 1965 and from 1.4 (excellent) for P-477 and P-885 to 1.9 (good) for P-560 and P-807 in 1966.

The mean squares are listed in Table XI. The mean roast scores among accessions and location x accessions were significantly different in 1965 and 1966. Mean roast scores between locations did not differ significantly. Mean roast scores among the five panel members were significantly different in 1966 but not in 1965.

Roasted Peanut Rank. At each visit the five samples of 20 roasted peanuts each were rated one to five based on their preference with one being the sample most preferred. The mean rank (Appendix Tables XXI and XXII) ranged from 2.2 for P-606 to 3.8 for P-516 in 1965 and from 1.3 for P-294 to 4.3 for P-25 and P-447 in 1966.

The mean squares are listed in Table XI. The mean rank among accessions were significantly different in 1966, but not in 1965 and between locations in 1965 but not in 1966. The variances for mean rank among panelist did not differ significantly. The variance for location x accession interaction was significant in 1965 and 1966.

Roasted Peanut Reference Samples. The roasted peanut data for the Argentine reference samples were analyzed statistically to determine the uniformity among samples used on different days. There were no significant differences among the days the reference samples were

used with respect to mean Cler scores or roast scores in 1965, but there were differences in 1966. The preference ranks were significantly different both years, and may be influenced by the grouping of accessions that were compared with the reference sample each day.

Shelf Life. The peanut butter samples in 1965 were stored on the shelf at room temperature for six months to determine the shelf life of the peanut butter. After six months the sealed jars were opened and smelled to determine whether the odor was good, moderate or bad. The results are listed in Table XII. Eight were rated good at both locations. Eleven samples were rated bad, but none were rated bad at both locations. The others were between these extremes. It would have been desirable to know if the accessions with bad odor had narrow oleic : linoleic ratios.

Chemical

Raw peanut samples for each accession were analyzed for oil and protein content in 1965 (Appendix Table XXIII) by Dr. James E. Webester, Department of Biochemistry. Seed from one replication at each location was used for the analyses.

Oil. The mean percentages of oil ranged from 45.70 percent for P-606 to 52.68 percent for P-887 at Perkins and from 45.75 percent for P-606 to 53.02 percent for P-598 at Ft. Cobb. The mean for both locations ranged from 45.72 percent for P-606 to 52.70 percent for P-315. P-606 was lowest in percent oil at both locations. The mean percent oil was 0.41 percent higher for samples from Ft. Cobb than for Perkins.

The mean squares are listed in Table XIII. The mean oil content

TABLE XII

ODOR OF PEANUT BUTTER AFTER SIX MONTHS SHELF STORAGE FOR PEANUT INTRODUCTIONS GROWN IN 1965

| Okla. P-No. | Perkins | | | Ft. Cobb | | |
|---|---|---|---|---|---|---|
| | Good | Moderate | Bad | Good | Moderate | Bad |
| 293 | x | | | | x | |
| 397 | x | | | | | x |
| 415 | | | x | | x | |
| 431 | x | | | x | | |
| 438 | x | | | x | | |
| 447 | x | | | | | x |
| 451 | x | | | x | | |
| 463 | | x | | x | | |
| 465 | | x | | x | | |
| 471 | x | | | | x | |
| 516 | x | | | | x | |
| 529 | x | | | | | x |
| 532 | x | | | x | | |
| 552 | x | | | | x | |
| 560 | x | | | | x | |
| 567 | | x | | x | | |
| 591 | x | | | x | | |
| 609 | x | | | x | | |
| 643 | x | | | x | | |
| 644 | | | x | x | | |
| 654 | x | | | x | | |
| 678 | x | | | | | x |
| 718 | | x | | x | | |
| 739 | | x | | | x | |
| 748 | | | x | - | - | - |
| 824 | x | | | | x | |
| 828 | | x | | x | | |
| 860 | | | x | x | | |
| 861 | x | | | | | x |
| 882 | x | | | | x | |
| 887 | | x | | | | x |
| 893 | | x | | | | x |
| Total | 20 | 8 | 4 | 15 | 9 | 7 |

TABLE XIII

MEAN SQUARES FOR PERCENTAGES OF OIL AND PROTEIN CONTENT FOR SEED OF PEANUT INTRODUCTIONS GROWN IN 1965 NEAR PERKINS AND FT. COBB, OKLAHOMA

| Source of Variation | DF | Oil MS |
|---|---|---|
| Location | 1 | 6.29* |
| P.I. | 76 | 2.11* |
| Error | 76 | 1.32 |
| LSD .05 | | 2.30 |
| CV (%) | | 2.29 |

| Source of Variation | DF | Protein MS |
|---|---|---|
| Location | 1 | 25.24** |
| P.I. | 76 | 1.38** |
| Error | 76 | 0.61 |
| LSD .05 | | 1.56 |
| CV (%) | | 2.53 |

*Indicates significance at the five percent level.
**Indicates significance at the one percent level.

among accessions and between locations were significantly different. The seed of no accession was significantly higher in oil content than Argentine, Spantex, or Starr. The oil content of P-606 was significantly lower in oil content than each accession, except P-808 and P-860.

Protein. The mean percentages of seed protein ranged from 29.00 percent for P-861 to 33.95 percent for P-739 at Perkins and from 28.09 percent for P-643 to 32.55 percent for P-2 at Ft. Cobb. The means for both locations ranged from 29.04 percent for P-643 to 32.94 percent for P-739. The mean percentages of protein was 0.81 percent higher for samples from Perkins than for Ft. Cobb.

The mean squares are listed in Table XIII. The mean protein content among accessions and between locations were significantly different. The seed of no accession contained significantly more protein than Argentine or Spantex, but P-293, P-739 and P-808 contained significantly more protein than Starr. Thirteen accessions contained significantly less protein than Argentine. As reported Redcorn and Matlock (38) P-293 has the distinction of being high in both oil and protein.

## Genetic Study

### Blunt Germ

Seed with blunt germ or germ flush with cotyledons were found in several accessions in 1964. This characteristic would be desirable for peanut seed used for planting as less damage would occur to the point of the germ in shelling and cleaning. Seed with blunt germ from single plants of six accessions were grown in 1965 and 1966 to determine if

the characters could be found in the progeny. P-741 was the only accession that produced blunt germ in the progeny. Further study is needed to determine the heritability of the blunt germ.

## Seed Shape

A study was initiated in 1966 to determine the genetic characteristic of variable seed shape in peanut seed. A number of single plants producing irregular seed shapes were selected from P-17 and P-294 in 1965 and grown in 1966 and observed for possible genetic relationships. Only a few progeny had seed like those planted which indicated that seed shape was influenced by environment. Selection for a desirable seed shape in a breeding program may be slow.

## Chlorophyll Deficiency

Several accessions were observed to have variegated green and yellow leaves in 1966. The variegation had the appearance of a chimera. Seed from variegated plants were grown for observation in the greenhouse. All progeny from the variegated plants had normal green leaves. It was concluded that the variegated appearance was not a genetic character.

Four chlorophyll deficient plants appeared in P-587 in 1965. These were near normal size plants with golden leaves. Seed from these were planted in 1966. In the seedling stage the plants are green, but the lower leaves gradually turned golden as the plants developed. The plants were of normal size but had golden leaves in 1966. Seed from the 1966 harvest was planted in 1967. The young plants appeared green, but later segregated for green and golden.

The inheritance of the mutant is being studied. This was a different character than the virescent seedlings reported by Tripp (43).

Outcrossing

The number of Spanish type plants were observed in a 1966 planting of the Runner, P-25. Thirty-three single plant selections were made in 1966 and grown in 1967 for observation. Segregation for plant type was not found in any of the selections and the cause for the offtype plants probably resulted from mechanical mixtures.

# CHAPTER V

# SUMMARY AND CONCLUSIONS

## Germ Plasm Evaluation

A preliminary evaluation of 519 accessions was made in 1963 and 1964 to determine certain characteristics that may be important for peanut breeding. An additional 35 accessions were received and evaluated in 1965. Seventy-four accessions were selected from the preliminary tests for further evaluation in replicated tests in 1965 and 1966.

Most of the accessions evaluated in 1963, 1964, and 1965 came from Northern Rhodesia with a few from other areas of Africa. The others came from South America and other countries. Although, peanuts have been in Africa for about four centuries, they have through evolutionary development considerable genetic diversity. It may be well to study more introductions from South America which is their center of origin. More genetic diversity may be found near their wild relatives than in a secondary center of diversity.

The agronomic factors studied included stand, vigor, diseases, insects, fruit and kernel yields, and grade of farmers stock peanuts. Stand and vigor were generally good. The major disease was Cercospora leafspot and occurred mostly in 1963 and 1965. None of the accessions were immune to leafspot. The major insect problem was thrips. Minor

damage occurred in 1963 and 1964. The thrips problem was considerably greater in 1965 and 1966.

The highest fruit yield in 1963 was 3270 pounds per acre for P-403 and P-523. In 1964 the highest fruit yield was 3924 pounds per acre for P-552 and P-678. P-602 was lowest in yield for both years. In the preliminary tests in 1965 the highest fruit yield was 3857 pounds per acre for P-416.

In the replicated tests the highest yield at Perkins was for P-529 in 1965 and P-22 in 1966. Two accessions were significantly higher than Spantex in 1965. The highest yield at Ft. Cobb was for Spantex in 1965 and P-634 in 1966. Argentine, Spantex, and Starr had the highest yield in 1965. One accession (P-560) was significantly higher than Starr in 1966.

The total sound mature kernels was over 75 percent in 1963 and 1964. In the replicated tests the highest was 65 percent in 1965 and 68 percent in 1966 at Perkins. The highest was 78.5 percent in 1965 and 74.5 percent in 1966 at Ft. Cobb. There was significant interaction with years x locations. There was a considerable range for percentages of total sound mature kernels.

The percentages of sound splits were variable from year-to-year and many accessions did not have splits in 1965 and 1966 at Perkins or in 1966 at Ft. Cobb.

The percentages of other kernels were variable and were very high at Perkins in 1965 and 1966. The highest were 37 percent and 52 percent, respectively.

The date of bloom in 1965 and 1966 was 27 to 30 days after

planting at Perkins and 30 to 35 days at Ft. Cobb.

The physical properties evaluated included seed size, plant height and width, leaflet area, and soil sheeding. The mean seed size as measured by weight differed by 17 grams per 100 seed in 1965 and 18 grams per 100 seed in 1966 at Perkins. The mean seed size differed by 32 grams per 100 seed in 1965 and 18 grams per 100 seed in 1966 at Ft. Cobb. These differences were large enough to be significant.

The widest difference in plant heights was 28 centimeters in 1964 and 30 centimeters in 1965. The plant heightdifferences in the replicated tests were 28 centimeters in 1965 and 23 centimeters in 1966 at Perkins and 42 centimeters in 1965 and 32 centimeters in 1966 at Ft. Cobb. The plant height differences were enough to be significant. Shorter plant types would probably prevent lodging in irrigated production.

The leaflet area per leaflet differed by 10 square centimeters in 1964, 1965, and 1966 combined. The data did not indicate a definite relationship of leaflet area and yield. A study should be made of the relationship of yield and leaf area index.

In the organoleptic evaluation, the accessions were significantly different with respect to peanut butter rank. The locations were not significantly different. None of the accessions were significantly better than Argentine with respect to rank. None of the accessions were significantly better than Argentine with respect to odor. Five accessions were significantly better than Argentine with respect to flavor. Four accessions were significantly better than Argentine in 1965 with respect to taste and none in 1966. None of the accessions

were significantly better than Argentine with respect to texture or dryness. Accessions were not significantly different with respect to peanut butter percent.

The accessions were significantly different for Cler score of roasted peanuts. None were significantly better than Argentine. The accessions were significantly different for roast score of roasted peanuts. The accessions were significantly different in 1966 for roasted peanut preference rank.

Eight accessions were rated as good at both locations for odor after six months on the shelf at room temperature. Fatty acid analyses should be made to determine the percentages oleic and linoleic fatty acid and the oleic : linoleic ratios for various accessions.

None of the accessions were significantly higher than Argentine in oil content in 1965. P-606 had the lowest oil content at both locations. The seed oil was 0.4 percent higher at Ft. Cobb than Perkins. None of the accessions were significantly higher than Argentine in protein content. The seed protein was 0.8 percent higher at Perkins than Ft. Cobb. P-293 was high in both oil and protein content. There is considerable genetic diversity in the peanut germ plasm. The yield, grade, seed size, leaflet area, organoleptic, chemical, leafspot, and thrips values of the germ plasm have a broad range. It would be possible to select genotypes with desired characteristics for use in the peanut breeding program.

## Genetic Study

Seed with blunt germ were found in several accessions in 1964.

P-741 was the only accession that produced blunt germ progeny. Further study is needed to determine the inheritance of the blunt germ which would be desirable for planting seed.

Seed shape showed more environmental than genetic variation, hence it would not likely be a character easily incorporated into a strain.

The chlorophyll deficient plants found in 1965 appeared to be a mutant producing golden colored leaflets that does not stunt the plant. Segregation for golden and green was observed in 1967. Further study of the inheritance is being done.

Offtype plants found in P-25 were grown as single plant selections in 1967. Segregation was not observed and the offtypes, apparently, resulted from mixtures.

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# APPENDIX A

## LEGEND FOR TABLE I

Seed Catalog, Southern Regional Plant Introduction Station, Experiment, Georgia, Regional Project S-9, pp. 1-87, 1965.

| | | |
|---|---|---|
| Botanical Group: | S = Spanish, V = Virginia. | |
| | VL = Valencia, R = Runner. | |
| Growth Habit: | S = Spanish, B = Bunch, R = Runner | |
| Branching: | S = Sparse, M = Moderate, P = Profuse | |
| | VP = Very Profuse. | |
| Seed Size: | Gms/100 or S = Small, M = Medium, L = Large, | |
| | VL = Very Large. | |
| Testa Color: | W = White, F = Flesh, R = Red, DkR = Dark Red. | |
| Fruit Size: | S = Small, M = Medium, L = Large, VL = Very Large. | |
| Constriction: | N = None, S = Slight, M = Moderate, D = Deep. | |
| Thrips Score: | 0 = No Injury to, 4 = Very Severe Damage. | |
| Leafspot Score: | 0 = No Infection to, 5 = Severe Infection | |
| | * = Poor Stand. | |

TABLE I

PEANUT INTRODUCTIONS: SUMMARY OF DATA FROM THE PLANT INTRODUCTION STATION SEED CATALOG AND THE TEST GROWN IN 1963 AT THE AGRONOMY RESEARCH STATION NEAR PARADISE, OKLAHOMA

| Okla. P-No. | P.I. No. | Seed Catalog, 1964-65 Origin | Bot. Gp. | Growth Habit | Branching | Gms/100 Seed | Testa Color | Fruit No. Size | Seed | Const. | Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Thrips 6/13 | Leafspot 7/15 | 8/3 | 8/16 | 9/21 | Catalog Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Argentine | | | | | | F | M | 2 | S | 1949 | 1442 | 72.0 | 5.0 | 2.0 | 1.5 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 3 | Dixie Span | | | | | | F | S | 2 | D | 1778 | 1351 | 74.0 | 7.0 | 2.0 | 1.5 | 1.0 | 1.5 | 2.5 | 4.0 | |
| 4 | Spantex | | | | | | F | M | 2 | M | 1691 | 1336 | 74.0 | 7.0 | 5.0 | 2.0 | 1.0 | 1.5 | 2.0 | 4.0 | |
| 6 | Starr | | | | | | F | M | 2 | M | 2064 | - | 73.5 | 5.0 | 2.0 | - | - | - | - | - | |
| 337 | 259637 | Cuba | R | R | P | 43.0 | F | S | 2 | M | 1553 | 1000 | 61.5 | 2.9 | 2.9 | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 | Ex.vig., v.late, V pods, 67.9%. |
| 338 | 259671 | Cuba | V | R | VP-Fine | 45.0 | F | M | 2 | S | 2453 | 1496 | 55.4 | 0.7 | 5.5 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | Very late, VL pods, 74.0%. |
| 339 | 259678 | Cuba | V | B | P-Fine | 56.7 | F | M | 2 | M | 1390 | 774 | 55.7 | 0.6 | 7.8 | 2.5 | 1.0 | 2.0 | 3.0 | 3.5 | Late, V pods, 74.6%. |
| 340 | 268516 | N.Rhodesia | | | | | R | M | 2 | S | 1635 | 973 | 53.5 | 2.8 | 6.1 | 2.0 | 1.0 | 2.0 | 3.0 | 3.5 | |
| 341 | 268545 | N.Rhodesia | | | | | F | M | 2 | S | 2453 | 1622 | 61.0 | 1.8 | 4.8 | 2.0 | 3.0 | 2.0 | 2.0 | 3.0 | |
| 342 | 268564 | N.Rhodesia | | | | | R | M | 2 | S | 1799 | 919 | 45.6 | 0.5 | 5.5 | 2.0 | 2.0 | 2.0 | 2.5 | 3.5 | |
| 343 | 268573 | N.Rhodesia | | | | | F | M | 2 | S | 2207 | 1388 | 58.3 | 2.4 | 4.5 | 2.0 | 1.5 | 2.0 | 2.5 | 4.0 | |
| 344 | 268577 | N.Rhodesia | | | | | R | M | 2 | M | 1145* | 577 | 50.4 | 0.8 | 7.1 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 345 | 268595 | N.Rhodesia | S | B | P-S | 47.3 | R | M | 2 | M | 1390 | 810 | 58.3 | 1.9 | 3.2 | 2.5 | 1.0 | 2.5 | 2.5 | 4.0 | |
| 346 | 268595 | N.Rhodesia | S | B | P-S | 47.3 | R | M | 2 | M | 1799 | 991 | 55.1 | 1.5 | 4.0 | 2.5 | 1.0 | 2.0 | 3.0 | 4.0 | |
| 347 | 268596 | N.Rhodesia | S | B | M | 43.0 | R&F | M | 2 | M | 1635 | 1053 | 60.6 | 1.6 | 3.8 | 2.5 | 1.0 | 1.5 | 3.0 | 4.5 | |
| 348 | 268598 | N.Rhodesia | S | B | M | 37.8 | R&F | L | 2-3 | M | 1717 | 1128 | 59.9 | 1.6 | 5.8 | 2.5 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 349 | 268598 | N.Rhodesia | S | B | M | 37.8 | R | M | 2 | S | 2289 | 1371 | 51.6 | 6.7 | 8.3 | - | 1.5 | 2.0 | 3.0 | 3.5 | |
| 350 | 268598 | N.Rhodesia | S | B | M | 37.8 | R | M | 2 | S | 1780 | 1141 | 59.6 | 2.0 | 4.5 | 2.0 | 1.5 | 2.5 | 3.0 | 3.5 | |
| 351 | 268599 | N.Rhodesia | | | | | F | M | 2 | S | 245 | 1514 | 56.2 | 1.5 | 5.5 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | |
| 352 | 268601 | N.Rhodesia | S | B | S | 39.4 | R | M | 2 | S | 1880 | 1263 | 63.8 | 2.4 | 3.4 | 2.5 | 2.0 | 2.5 | 3.5 | 4.5 | Short tops. |
| 353 | 268607 | N.Rhodesia | | | | | R | L | 2 | M | 2453 | 1604 | 62.1 | 2.6 | 3.3 | 2.0 | 1.0 | 2.0 | 3.0 | 3.5 | |
| 354 | 268609 | N.Rhodesia | | | | 38.3 | R | M | 2 | M | 2861 | 1837 | 61.7 | 1.9 | 2.5 | 2.0 | 1.0 | 1.5 | 3.0 | 4.0 | |
| 355 | 268609 | N.Rhodesia | | | | 38.3 | R | S | 2 | M | 3025 | 1812 | 52.7 | 0.3 | 7.2 | 2.0 | 1.5 | 2.0 | 2.5 | 4.0 | |
| 356 | 268611 | N.Rhodesia | | | | | F | M | 2 | M | 1063* | 603 | 54.2 | 0.8 | 2.5 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | |
| 357 | 268611 | N.Rhodesia | | | | | F | M | 2 | S | 1962 | 1197 | 56.9 | 3.2 | 4.1 | 2.0 | 1.0 | 2.5 | 3.0 | 3.5 | |
| 358 | 268615 | N.Rhodesia | S | B | S-M | 37.8 | F | S | 2 | S | 2044 | 1443 | 63.1 | 1.8 | 7.5 | 2.0 | 1.5 | 2.5 | 3.0 | 4.5 | Pod size variable. |
| 359 | 268616 | N.Rhodesia | S | B | M | 46.5 | F | M | 2 | S | 2780 | 1621 | 56.7 | 1.9 | 1.6 | 2.0 | 1.5 | 2.5 | 3.0 | 4.0 | Pod size variable. |
| 360 | 268616 | N.Rhodesia | S | B | M | 46.5 | F | S | 2 | S | 1472 | 901 | 55.7 | 1.8 | 5.5 | 2.5 | 1.0 | 2.0 | 2.5 | 3.5 | Pod size variable. |
| 361 | 268616 | N.Rhodesia | S | B | M | 46.5 | F | M | 2 | M | 1226 | 793 | 60.3 | 2.2 | 4.4 | 2.5 | 1.5 | 2.5 | 3.0 | 3.5 | Pod size variable. |
| 362 | 268626 | N.Rhodesia | S | B | M | 38.8 | F | M | 2 | M | 1226 | 820 | 62.5 | 3.7 | 4.4 | 3.0 | 1.0 | 2.0 | 3.0 | 3.5 | Variable pods and seed. |
| 363 | 268626 | N.Rhodesia | S | B | M | 38.8 | F | M | 2 | S | 1308 | 1604 | 53.7 | 4.1 | 6.9 | 2.0 | 1.5 | 2.0 | 2.5 | 3.5 | Variable pods and seed. |
| 364 | 268633 | N.Rhodesia | S | B | M | 31.9-45.0 | F | M | 2 | M | 1063 | 594 | 48.3 | 1.7 | 7.6 | 2.0 | 1.5 | 1.5 | 2.5 | 3.5 | Variable pods and seed. |
| 365 | 268635 | N.Rhodesia | S | B | M | 36.8 | F | M | 2 | M | 2044 | 1199 | 54.7 | 2.2 | 4.0 | 2.0 | 1.5 | 1.5 | 2.5 | 4.0 | Variable pods and seed. |
| 366 | 268636 | N.Rhodesia | S | B | M | 36.8 | F | M | 2 | M | 1799 | 1081 | 54.6 | 2.5 | 5.5 | 2.5 | 1.0 | 1.5 | 3.0 | 4.0 | Variable pods and seed. |
| 367 | 268637 | N.Rhodesia | S | B | S-M | 38.8-49.7 | F | M | 2 | M | 2453 | 1604 | 62.8 | 1.1 | 2.6 | 2.0 | 1.0 | 1.5 | 3.0 | 4.5 | Highly variable. |
| 368 | 268637 | N.Rhodesia | S | B | S-M | 38.8-49.7 | F | M | 2 | M | 1553 | 865 | 49.3 | 1.7 | 6.4 | 2.5 | 1.0 | 1.5 | 3.5 | 3.5 | Highly variable. |
| 369 | 268637 | N.Rhodesia | S | B | S-M | 38.8-49.7 | F | M | 2 | S | 1635 | 956 | 53.5 | 2.2 | 5.0 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | Highly variable. |
| 370 | 268644 | N.Rhodesia | S | B | S-M | 51.5 | F | M | 2 | S | 1308 | 901 | 60.6 | 0.6 | 8.3 | 3.0 | 1.5 | 2.0 | 3.5 | 4.0 | Variable pods and seed. |
| 371 | 268644 | N.Rhodesia | S | B | S-M | 51.5 | F | M | 2 | M | 1635 | 1092 | 60.7 | 1.7 | 6.1 | 2.5 | 2.0 | 2.0 | 3.0 | 4.0 | Variable pods and seed. |
| 372 | 268644 | N.Rhodesia | S | B | S-M | 51.5 | F | M | 2 | S | 2453 | 1487 | 56.2 | 1.8 | 4.4 | 2.0 | 1.0 | 2.0 | 3.0 | 4.0 | Variable pods and seed. |
| 373 | 268647 | N.Rhodesia | S | B | M | 36.8 | F | M | 2 | D | 2371 | 1332 | 49.4 | 1.1 | 6.8 | 1.0 | 2.0 | 2.5 | 3.5 | 3.5 | |
| 374 | 268648 | N.Rhodesia | S | B | S-M | 53.5 | F | L | 2 | M | 2126 | 1288 | 57.2 | 2.5 | 3.4 | 1.0 | 2.0 | 2.0 | 3.0 | 4.0 | Variable pods and seed. |
| 375 | 268649 | N.Rhodesia | S | B | S-M | 40.5 | F | M | 2 | S | 2126 | 1307 | 56.0 | 1.7 | 5.5 | 2.0 | 2.0 | 2.5 | 3.5 | 4.0 | Variable pods and seed. |
| 376 | 268649 | N.Rhodesia | S | B | S-M | 40.5 | F | M | 2 | S | 1635 | 1019 | 56.8 | 2.8 | 5.5 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | Variable pods and seed. |
| 377 | 268654 | N.Rhodesia | S | B | M | 35.0-41.7 | F | M | 2 | N | 2453 | 1628 | 63.6 | 1.8 | 2.8 | 2.0 | 1.5 | 2.0 | 3.0 | 4.0 | Variable pods and seed. |
| 378 | 268654 | N.Rhodesia | S | B | M | 35.0-41.7 | F | L | 2-3 | M | 1962 | 1287 | 60.1 | 4.6 | 5.5 | 2.5 | 1.0 | 2.0 | 3.0 | 4.0 | Variable pods and seed. |

TABLE I (Continued)

| Okla. P-No. | P.I. No. | Seed Catalog, 1964-65 Origin | Bot. Gp. | Growth Habit | Branching | Gms/100 Seed | Testa Color | Fruit Size | Fruit No. Seed | Fruit Const. | Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Thrips 6/13 | Leafspot 7/15 | Leafspot 8/3 | Leafspot 8/16 | Leafspot 9/21 | Catalog Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 379 | 268654 | N.Rhodesia | S | B | M | 35.0-41.7 | F | M | 2 | M | 2815 | 1879 | 63.9 | 4.1 | 2.8 | 2.5 | 1.0 | 2.0 | 3.0 | 4.0 | Variable pods and seed. |
| 380 | 268657 | N.Rhodesia | S | B | S | 33.0 | F | L | 2 | S | 1962 | 1206 | 56.0 | 2.3 | 5.5 | 2.0 | 1.0 | 1.5 | 2.5 | 4.0 | Very short tops. |
| 381 | 268660 | N.Rhodesia | S | B | S-M | 44.3 | F | M | 2 | S | 2453 | 1481 | 56.4 | 0.2 | 4.0 | 2.0 | 1.0 | 1.5 | 3.0 | 4.0 | |
| 382 | 268663 | N.Rhodesia | S | B | S | 26.7 | R | M | 2 | S | 1308 | 838 | 57.9 | 1.4 | 6.2 | 2.0 | 1.0 | 2.0 | 2.5 | 3.5 | Very small plants, prolific. |
| 383 | 268680 | N.Rhodesia | S | B | S-M | 41.7 | F | M | 2 | M | 2207 | 1350 | 57.1 | 2.0 | 4.1 | 2.0 | 1.0 | 2.0 | 3.0 | 3.5 | |
| 384 | 268680 | N.Rhodesia | S | B | S-M | 41.7 | F | M | 2 | M | 2289 | 1133 | 45.2 | 1.9 | 4.3 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | |
| 385 | 268684 | N.Rhodesia | S | B | S-M | 41.1 | F | M | 2 | S | 1799 | 644 | 60.1 | 1.0 | 4.5 | 1.5 | 1.0 | 2.0 | 3.0 | 3.5 | |
| 386 | 268686 | N.Rhodesia | S | B | S-M | 36.8 | F | L | 2-3 | S | 2453 | 1550 | 59.9 | 2.6 | 3.3 | 2.5 | 1.5 | 2.0 | 3.0 | 4.0 | |
| 387 | 268688 | N.Rhodesia | S | B | S-M | 45.7 | F | M | 2 | D | 2453 | 1550 | 58.8 | 5.9 | 4.4 | 2.0 | 1.0 | 1.5 | 3.0 | 4.0 | Variable pods and seed. |
| 388 | 268688 | N.Rhodesia | S | B | S-M | 45.7 | F | M | 2 | S | 2453 | 1496 | 56.2 | 1.8 | 4.8 | 2.0 | 1.0 | 1.5 | 3.0 | 4.0 | Variable pods and seed. |
| 389 | 268689 | N.Rhodesia | S | B | M | 42.3 | F | M | 2 | S | 2534 | 1708 | 63.9 | 2.8 | 3.5 | 1.5 | 1.0 | 1.5 | 2.5 | 4.0 | Variable pods and seed. |
| 390 | 268690 | N.Rhodesia | S | B | M | 41.1 | F | M | 2 | S | 1962 | 1259 | 60.5 | 3.2 | 3.7 | 2.5 | 1.5 | 2.0 | 3.0 | 4.5 | Variable pods and seed. |
| 391 | 268690 | N.Rhodesia | S | B | M | 41.1 | F | M | 2 | S | 3107 | 2084 | 62.8 | 1.4 | 4.3 | 1.5 | 1.0 | 2.0 | 3.0 | 3.5 | Variable pods and seed. |
| 392 | 268692 | N.Rhodesia | S | B | S | 41.7 | F | S | 2 | S | 2371 | 1494 | 57.7 | 1.5 | 5.3 | 1.5 | 1.0 | 2.0 | 3.0 | 4.0 | Variable pods and seed. |
| 393 | 268692 | N.Rhodesia | S | B | S | 41.7 | F | L | 2 | S | 2044 | 1002 | 43.7 | 1.8 | 5.3 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | Variable pods and seed. |
| 394 | 268692 | N.Rhodesia | S | B | S | 41.7 | F | M | 2 | M | 1308 | 762 | 52.8 | 2.8 | 5.5 | 2.5 | 0.5 | 1.5 | 2.5 | 3.5 | Variable pods and seed. |
| 395 | 268701 | N.Rhodesia | S | B | M | 33.0 | F | M | 2 | S | 1635 | 847 | 47.4 | 3.9 | 4.4 | 2.0 | 1.0 | 1.0 | 2.5 | 3.5 | Variable seed and pods. |
| 396 | 268701 | N.Rhodesia | S | B | M | 33.0 | F | M | 2 | M | 2453 | 1548 | 56.9 | 1.8 | 6.2 | 2.0 | 1.0 | 1.5 | 3.0 | 4.0 | Variable seed and pods. |
| 397 | 268703 | N.Rhodesia | S | B | S-M | 33.0-35.9 | F | M | 2 | S | 1880 | 1218 | 61.9 | 3.4 | 2.9 | 1.5 | 2.0 | 2.0 | 2.5 | 4.0 | Variable seed and pods. |
| 398 | 268704 | N.Rhodesia | S | B | S | 35.0 | F | M | 2 | S | 1472 | 929 | 58.8 | 3.7 | 4.3 | 2.0 | 1.5 | 2.0 | 3.0 | 3.5 | Variable pods and seed. |
| 399 | 268704 | N.Rhodesia | S | B | S | 35.0 | F | M | 2 | S | 2207 | 1474 | 62.8 | 2.0 | 4.0 | 1.5 | 2.0 | 2.0 | 3.5 | 4.0 | Variable pods and seed. |
| 400 | 268706 | N.Rhodesia | S | B | M | 33.0-43.6 | F | M | 2 | S | 2126 | 1405 | 60.6 | 2.1 | 5.5 | 2.0 | 1.5 | 2.0 | 3.0 | 3.5 | Variable pods and seed. |
| 401 | 268707 | N.Rhodesia | S | B | S | 34.6 | F | M | 2 | S | 2453 | 1621 | 62.8 | 4.4 | 3.3 | 2.0 | 1.5 | 2.0 | 3.0 | 4.0 | |
| 402 | 268708 | N.Rhodesia | S | B | S-M | 31.9-40.5 | F | M | 2 | S | 2616 | 1685 | 59.6 | 2.1 | 4.8 | 2.0 | 1.5 | 2.0 | 3.0 | 3.5 | Variable pods and seed. |
| 403 | 268708 | N.Rhodesia | S | B | S-M | 31.9-40.5 | F | M | 2 | S | 3270 | 2135 | 61.7 | 2.2 | 3.6 | 2.0 | 1.5 | 2.0 | 3.5 | 3.5 | Variable pods and seed. |
| 404 | 268708 | N.Rhodesia | S | B | S-M | 31.9-40.5 | F | S | 2 | S | 2453 | 1737 | 67.5 | 2.2 | 3.3 | 2.5 | 1.5 | 2.0 | 3.5 | 4.0 | Variable pods and seed. |
| 405 | 268708 | N.Rhodesia | S | B | S-M | 31.9-40.5 | F | M | 2 | M | 2616 | 1744 | 62.9 | 3.0 | 3.8 | 1.5 | 2.0 | 2.0 | 3.0 | 3.5 | Variable pods and seed. |
| 406 | 268710 | N.Rhodesia | S | B | S-M | 33.0-35.4 | F | M | 2 | M | 2207 | 1340 | 54.6 | 1.2 | 6.1 | 1.5 | 1.5 | 2.0 | 3.0 | 3.5 | Variable pods and seed. |
| 407 | 268711 | N.Rhodesia | S | B | S-M | 31.5 | F | S | 2 | M | 3352 | 2075 | 58.1 | 3.0 | 3.8 | 1.0 | 1.5 | 2.0 | 3.0 | 4.0 | |
| 408 | 268711 | N.Rhodesia | S | B | S-M | 31.5 | F | M | 2 | M | 2453 | 1614 | 61.4 | 2.6 | 4.4 | 2.0 | 1.5 | 2.0 | 3.5 | 4.0 | |
| 409 | 268712 | N.Rhodesia | S | B | S-M | 30.5-37.8 | F | M | 2 | S | 1635 | 945 | 53.4 | 3.3 | 4.4 | 1.5 | 1.5 | 2.0 | 3.0 | 3.5 | Variable pods and seed. |
| 410 | 268716 | N.Rhodesia | S | B | S-M | 30.2 | F | M | 2 | M | 2207 | 1412 | 59.1 | 2.4 | 4.9 | 2.0 | 1.0 | 2.0 | 3.0 | 3.5 | Short tops. |
| 411 | 268724 | N.Rhodesia | S | B | S-M | 30.2 | F | M | 2 | S | 1880 | 1226 | 60.9 | 2.9 | 4.3 | 2.0 | 1.5 | 1.5 | 3.0 | 3.5 | |
| 412 | 268724 | N.Rhodesia | S | B | S-M | 30.2 | F | S | 2 | D | 1390 | 648 | 60.3 | 2.6 | 4.5 | 2.0 | 1.0 | 1.5 | 3.0 | 4.0 | |
| 413 | 268729 | N.Rhodesia | S | B | S-M | 31.2 | F | M | 2 | S | 2779 | 1771 | 56.7 | 1.9 | 4.5 | 2.0 | 1.0 | 2.0 | 2.5 | 3.5 | |
| 414 | 268729 | N.Rhodesia | S | B | S-M | 31.2 | F | M | 2 | M | 2453 | 1692 | 65.3 | 4.0 | 3.7 | 2.0 | 1.0 | 2.0 | 3.0 | 4.0 | |
| 415 | 268737 | N.Rhodesia | S | B | S-M | 35.0-36.3 | F | M | 2 | S | 2044 | 1386 | 63.4 | 4.4 | 4.4 | 2.0 | 1.0 | 2.0 | 3.0 | 4.0 | Variable pods and seed. |
| 416 | 268739 | N.Rhodesia | S | B | M | 34.2-36.8 | F | S | 2 | S | 2453 | 1565 | 57.2 | 2.9 | 6.6 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | Variable pods and seed. |
| 417 | 268740 | N.Rhodesia | S | B | S | 41.7 | F | M | 2 | S | 2207 | 1417 | 57.3 | 0.8 | 6.9 | 1.5 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 418 | 268740 | N.Rhodesia | S | B | S | 41.7 | F | S | 2 | S | 2289 | 1510 | 60.9 | 1.1 | 5.1 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | |
| 419 | 268740 | N.Rhodesia | S | B | S | 41.7 | F | M | 2 | S | 2126 | 1333 | 59.4 | 1.7 | 3.3 | 2.5 | 1.5 | 2.0 | 2.5 | 4.0 | |
| 420 | 268742 | N.Rhodesia | S | B | S | 33.0 | F | M | 2 | M | 2044 | 1369 | 63.5 | 3.5 | 3.5 | 3.0 | 1.0 | 1.5 | 3.0 | 3.5 | |
| 421 | 268748 | N.Rhodesia | S | B | S-M | 31.9 | F | M | 2 | M | 1226 | 775 | 60.3 | 2.9 | 2.9 | 2.0 | 1.5 | 2.0 | 3.0 | 3.5 | Variable pods and seed. |
| 422 | 268749 | N.Rhodesia | S | B | S-M | 30.2 | F | M | 2 | S | 1472 | 973 | 60.0 | 5.5 | 6.1 | 1.0 | 1.5 | 2.0 | 3.0 | 4.0 | Variable pods and seed. |
| 423 | 268752 | N.Rhodesia | S | B | M | 41.1 | F | M | 2 | S | 1472 | 983 | 62.5 | 6.1 | 4.3 | 2.0 | 1.5 | 2.5 | 3.5 | 3.5 | |
| 424 | 268758 | N.Rhodesia | | | | | F | M | 2 | S | 818 | 352 | 36.4 | 2.2 | 6.6 | 2.5 | 1.0 | 1.5 | 3.0 | 3.5 | |

TABLE I (Continued)

| Okla. P-No. | P.I. No. | Seed Catalog, 1964-65 Origin | Bot. Gp. | Growth Habit | Branching | Gms/100 Seed | Testa Color | Fruit No. Size | Seed | Const. | Yield (lb/A) | Kernel Total Yield (lb/A) | SMK (%) | SS (%) | OK (%) | Thrips 6/13 | Leafspot 7/15 | 8/3 | 8/16 | 9/21 | Catalog Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 425 | 268759 | N.Rhodesia | S | B | M | 42.3-47.3 | F | M | 2 | S | 2289 | 1396 | 55.9 | 2.8 | 5.1 | 2.0 | 1.0 | 1.5 | 3.5 | 4.0 | Variable pods and seed. |
| 426 | 268760 | N.Rhodesia | S | B | M | 31.2 | F | M | 2 | N | 2207 | 1388 | 57.2 | 3.7 | 5.7 | 2.0 | 3.5 | 1.5 | 3.0 | 4.0 | Coarse, short tops. |
| 427 | 268767 | N.Rhodesia | S | B | M | 33.0-38.8 | F | M | 2 | S | 2207 | 1377 | 55.5 | 1.6 | 6.9 | 1.5 | 1.0 | 1.5 | 3.0 | 3.5 | Variable pods and seed. |
| 428 | 268769 | N.Rhodesia | S | B | S-M | 35.9 | R | S | 2 | M | 1472 | 1001 | 61.3 | 3.7 | 6.7 | 2.0 | 1.0 | 1.5 | 3.5 | 4.0 | Short tops. |
| 429 | 268771 | N.Rhodesia | S | B | S | 37.8-42.3 | F | M | 2 | S | 2453 | 1558 | 58.0 | 2.2 | 5.5 | 2.0 | 1.0 | 1.5 | 3.5 | 3.5 | Variable pods and seed. |
| 430 | 268777 | N.Rhodesia | S | B | S-M | 27.8 | F | S | 2 | M | 2698 | 1605 | 50.1 | 3.3 | 9.4 | 2.0 | 1.0 | 2.0 | 3.0 | 3.5 | Finely branched. |
| 431 | 268778 | N.Rhodesia | S | B | S-M | 30.5 | F | M | 2 | S | 2616 | 1802 | 65.5 | 2.8 | 3.4 | 2.0 | 1.0 | 1.5 | 3.5 | 4.0 | Finely branched. |
| 432 | 268787 | N.Rhodesia | S | B | S-M | 31.9-36.5 | F | S | 2 | M | 1717 | 1083 | 58.9 | 3.2 | 4.2 | 2.0 | 1.0 | 2.0 | 3.5 | 4.0 | Variable pods and seed. |
| 433 | 268789 | N.Rhodesia | S | B | S-M | 33.0 | F | M | 2 | M | 2453 | 1413 | 54.3 | 2.9 | 3.3 | 1.5 | 1.0 | 1.5 | 3.5 | 4.0 | Variable pods and seed. |
| 434 | 268789 | N.Rhodesia | S | B | S-M | 33.0 | F | S | 2 | D | 2044 | 1134 | 48.5 | 5.3 | 7.0 | 1.5 | 1.0 | 1.5 | 3.0 | 4.0 | Variable pods and seed. |
| 435 | 268790 | N.Rhodesia | S | B | S-M | 33.0 | F | M | 2 | M | 1717 | 965 | 51.5 | 3.7 | 4.7 | 2.0 | 1.0 | 2.0 | 3.5 | 4.0 | |
| 436 | 268795 | N.Rhodesia | S | B | S-M | 34.2-38.8 | F | M | 2 | M | 1308 | 857 | 60.0 | 2.8 | 5.5 | 1.5 | 1.0 | 1.5 | 3.0 | 4.0 | Variable pods and seed. |
| 437 | 268795 | N.Rhodesia | S | B | S-M | 34.2-38.8 | F | M | 2 | M | 2616 | 1677 | 59.6 | 4.5 | 4.5 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | Variable pods and seed. |
| 438 | 268801 | N.Rhodesia | S | B | M | 31.9-37.3 | F | M | 2 | M | 1390 | 883 | 57.7 | 4.5 | 5.8 | 2.0 | 1.0 | 1.5 | 3.0 | 4.0 | Variable pods and seed. |
| 439 | 268808 | N.Rhodesia | S | B | S-M | 28.9 | F | S | 2 | M | 1390 | 756 | 43.4 | 2.6 | 11.0 | 1.5 | 1.0 | 2.0 | 3.0 | 3.5 | |
| 440 | 268811 | N.Rhodesia | S | B | S-M | 32.6-34.6 | F | S | 2 | M | 1472 | 920 | 53.9 | 3.1 | 8.6 | 1.5 | 1.0 | 1.5 | 3.0 | 4.0 | Variable pods and seed. |
| 441 | 268812 | N.Rhodesia | S | B | M | 29.5 | F | M | 2 | M | 2044 | 1261 | 55.5 | 2.6 | 6.2 | 2.0 | 0.5 | 1.5 | 2.5 | 3.5 | Finely branched. |
| 442 | 268818 | N.Rhodesia | S | B | S-M | 33.0 | F | M | 2 | S | 1717 | 1056 | 55.7 | 6.3 | 5.8 | 2.0 | 1.0 | 1.5 | 3.0 | 4.0 | |
| 443 | 268821 | N.Rhodesia | VL | B | S | 29.2-35.4 | F | M | 2 | M | 2044 | 1134 | 48.5 | 1.3 | 7.0 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | Variable pods and seed. |
| 444 | 268822 | N.Rhodesia | S | B | S | 39.9-48.9 | F | M | 2 | M | 2126 | 1361 | 58.5 | 3.4 | 5.5 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | Variable pods and seed. |
| 445 | 268823 | N.Rhodesia | S | B | M | 31.9 | | | | | 2534 | 1571 | 55.7 | 3.7 | 6.3 | 1.0 | 1.0 | 2.0 | 3.0 | 3.5 | Variable pods and seed. |
| 446 | 268825 | N.Rhodesia | S | B | M | 38.3 | | | | | 1635 | 1072 | 61.8 | 2.8 | 3.8 | 2.0 | 1.0 | 2.0 | 2.5 | 3.5 | |
| 447 | 268826 | N.Rhodesia | S | B | S | 30.2 | | | | | 1390 | 938 | 66.2 | 5.2 | 1.3 | 2.0 | 1.5 | 2.0 | 3.0 | 4.5 | |
| 448 | 268826 | N.Rhodesia | S | B | S | 30.2 | | | | | 1390 | 945 | 62.2 | 4.5 | 5.8 | 1.5 | 1.0 | 1.5 | 3.0 | 3.5 | |
| 449 | 268827 | N.Rhodesia | S | B | S-M | 38.3 | | | | | 1962 | 1242 | 58.3 | 2.3 | 5.0 | 2.0 | 1.0 | 1.5 | 2.5 | 4.0 | Variable pods and seed. |
| 450 | 268828 | N.Rhodesia | S | B | S-M | 31.5-38.8 | | | | | 1799 | 1153 | 57.6 | 3.0 | 6.5 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | Variable pods and seed. |
| 451 | 268828 | N.Rhodesia | S | B | S-M | 31.5-38.8 | | | | | 2044 | 1288 | 59.5 | 3.5 | 3.5 | 2.0 | 1.5 | 1.5 | 2.5 | 3.5 | Variable pods and seed. |
| 452 | 268828 | N.Rhodesia | S | B | S-M | 31.5-38.8 | | | | | 1145 | 793 | 62.2 | 2.4 | 7.1 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | Variable pods and seed. |
| 453 | 268829 | N.Rhodesia | S | B | S-M | 37.3-41.1 | | | | | 2616 | 1685 | 61.3 | 2.4 | 3.1 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | Variable pods and seed. |
| 454 | 268830 | N.Rhodesia | S | B | S | 28.9-31.5 | | | | | 1799 | 982 | 47.6 | 2.0 | 7.0 | 2.0 | 1.0 | 2.0 | 2.5 | 3.5 | Variable pods and seed. |
| 455 | 268832 | N.Rhodesia | S | B | S | | | | | | 2861 | 1845 | 56.3 | 1.2 | 8.2 | 2.0 | 1.0 | 1.5 | 2.5 | 4.0 | |
| 456 | 270773 | N.Rhodesia | S | B | S-M | | | | | | 1962 | 1279 | 61.1 | 2.3 | 4.1 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 457 | 270773 | N.Rhodesia | S | B | S-M | | W&F | | | | 2453 | 1479 | 54.8 | 1.5 | 5.5 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 458 | 270784 | N.Rhodesia | S | B | M | 38.3 | R&F | | | | 654 | 450 | 59.2 | 4.1 | 9.6 | 2.0 | 0.5 | 1.5 | 2.5 | 3.5 | Variable. |
| 459 | 270786 | N.Rhodesia | S | B | S | 34.6-45.0 | | | | | 1308 | 794 | 54.5 | 2.1 | 6.2 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | Coarse. |
| 460 | 270789 | N.Rhodesia | S | B | S | 51.5 | | | | | 1226 | 676 | 47.8 | 2.2 | 7.3 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | Coarse, 73.0% meats. |
| 461 | 270804 | N.Rhodesia | S | B | S-M | 34.2 | | | | | 1962 | 1262 | 57.4 | 1.8 | 6.9 | 1.0 | 1.5 | 1.5 | 2.5 | 3.5 | Variable, 76.0% meats. |
| 462 | 270804 | N.Rhodesia | S | B | S-M | 34.2 | | | | | 1390 | 917 | 58.9 | 1.9 | 7.1 | 1.5 | 1.0 | 1.5 | 2.5 | 3.5 | Variable, 76.0% meats. |
| 463 | 270817 | N.Rhodesia | S | B | S-M | 37.3 | | | | | 1799 | 1288 | 66.6 | 2.0 | 5.0 | 2.0 | 1.0 | 1.5 | 2.5 | 4.0 | Genetic, 77.0% meats. |
| 464 | 270838 | N.Rhodesia | S | B | S-M | 39.9 | | | | | 1144 | 819 | 65.3 | 4.7 | 6.3 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | Genetic, 77.0% meats. |
| 465 | 270849 | N.Rhodesia | VL | B | S-M | 37.3 | | | | | 1390 | 973 | 64.2 | 2.6 | 5.8 | 1.5 | 1.0 | 1.5 | 2.5 | 3.5 | 79.0% meats. |
| 466 | 271021 | N.Rhodesia | | | | | | | | | 1390 | 917 | 61.5 | 4.5 | 4.5 | 2.0 | 1.5 | 1.5 | 2.5 | 4.0 | |
| 467 | 271022 | | | | | | | | | | 1308 | 802 | 56.5 | 2.8 | 4.8 | 2.0 | 1.0 | 1.5 | 3.0 | 4.0 | |
| 468 | 274267 | N.Rhodesia | | | | | | | | | 654 | 396 | 56.5 | 2.8 | 4.1 | 2.0 | 1.5 | 1.5 | 3.0 | 4.0 | |
| 469 | 261970 | Paraguay | | SV | | S | DkR | VL | 2-3 | S | 2534 | 1477 | 53.7 | 0.7 | 4.6 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 470 | 261989 | Paraguay | | S | | S | F | M | 2-4 | S | 2207 | 1468 | 60.8 | 1.2 | 5.7 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | Good taste. |

TABLE I (Continued)

| Okla. P-No. | P.I. No. | Origin | Seed Catalog, 1964-65 Bot. Gp. | Growth Habit | Branching | Gms/100 Seed | Testa Color | Fruit Size | Fruit No. Seed | Fruit Const. | Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Thrips 6/13 | Leafspot 7/15 | Leafspot 8/3 | Leafspot 8/16 | Leafspot 9/21 | Catalog Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 471 | 261997 | Paraguay | | S | | S | R | M | 2-3 | S | 1717 | 1154 | 59.8 | 0.5 | 7.4 | 2.0 | 1.0 | 2.0 | 2.0 | 4.0 | |
| 472 | 261997 | Paraguay | | S | | S | F | M | 2-3 | M | 2207 | 1476 | 57.1 | 0.8 | 9.8 | 2.5 | 1.0 | 2.0 | 2.5 | 3.5 | |
| 473 | - | Paraguay | | | | | F | S | 2 | M | 2289 | 1470 | 61.8 | 2.0 | 2.4 | 2.5 | 1.0 | 1.5 | 2.5 | 4.0 | |
| 474 | - | Paraguay | | | | | F | M | 2 | S | 2534 | 1766 | 66.9 | 1.8 | 2.8 | 2.0 | 1.5 | 1.5 | 3.0 | 4.0 | |
| 475 | - | Paraguay | | | | | F | M | 2 | S | 2698 | 1791 | 62.1 | 1.0 | 4.3 | 2.0 | 1.0 | 2.0 | 3.0 | 3.5 | |
| 476 | 262012 | Paraguay | | S | | S | R | VL | 2-4 | S | 2289 | 1577 | 60.6 | 0.8 | 8.3 | 2.5 | 1.0 | 1.5 | 2.5 | 3.5 | Robust. |
| 477 | 262014 | Paraguay | | S | | S | F | VL | 2-3 | S | 2453 | 1560 | 54.8 | 0.4 | 8.8 | 2.0 | 1.0 | 1.5 | 2.0 | 3.5 | |
| 478 | 262088 | Brazil | | S | | S | R | VL | 2-3 | S | 2044 | 1253 | 52.0 | 0.9 | 9.3 | 2.0 | 1.0 | 1.5 | 2.0 | 3.5 | |
| 479 | - | | | | | | R | M | 2 | S | 2207 | 1549 | 66.1 | 2.0 | 4.1 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | |
| 480 | 262016 | Paraguay | | S | | M | F | VL | 3-4 | M | 2861 | 1837 | 58.5 | 2.5 | 5.7 | 2.5 | 1.5 | 2.0 | 2.5 | 3.5 | |
| 481 | 262101 | Bolivia | | S, VL | | | R | L | 2-3 | S | 1635 | 984 | 54.1 | 0.6 | 6.1 | 2.5 | 1.0 | 1.5 | 2.0 | 3.5 | |
| 482 | 262019 | Paraguay | | S | | | R | L | 2-3 | S | 2126 | 1307 | 53.9 | 1.7 | 7.6 | 2.0 | 1.0 | 2.0 | 2.5 | 3.5 | |
| 483 | 262020 | Paraguay | | S | | | R | VL | 2-3 | N | 2044 | 1388 | 60.4 | 1.8 | 7.5 | 2.0 | 2.0 | 2.0 | 3.0 | 3.5 | |
| 484 | 262022 | Paraguay | | | | | R | VL | 2-4 | S | 1880 | 1109 | 53.7 | 0.5 | 5.3 | 2.0 | 1.5 | 2.0 | 2.5 | 3.5 | |
| 485 | 262105 | Bolivia | | S, VL | | | R | L | 2-3 | S | 1226 | 739 | 54.4 | 1.5 | 5.9 | 1.5 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 486 | - | | | | | | F | S | 2 | S | 2371 | 1586 | 64.2 | 1.5 | 2.7 | 1.5 | 3.0 | 2.0 | 2.5 | 3.0 | |
| 487 | - | | | | | | F | M | 2 | S | 2534 | 1622 | 61.5 | 1.4 | 2.5 | 2.5 | 1.5 | 2.5 | 3.0 | 3.5 | |
| 488 | 262034 | Brazil | | S | | | R | L | 2-3 | S | 2044 | 1226 | 52.9 | 0.9 | 7.1 | 2.0 | 1.5 | 2.0 | 2.0 | 3.5 | |
| 489 | 262036 | Brazil | | S | | | R | L | 2-3 | S | 1635 | 991 | 55.1 | 1.1 | 5.5 | 2.5 | 1.5 | 2.0 | 2.5 | 3.5 | |
| 490 | 262037 | Brazil | | S | | | R | VL | 2-3 | S | 1635 | 992 | 53.0 | 0.6 | 7.7 | 2.0 | 1.0 | 2.0 | 2.5 | 3.5 | |
| 491 | 262038 | Brazil | | S | | | R | VL | 2-3 | S | 1145 | 749 | 59.1 | 0.8 | 6.3 | 2.0 | 1.0 | 1.5 | 2.5 | 3.0 | |
| 492 | 262040 | Brazil | | S | | | R | VL | 2-3 | S | 1308 | 811 | 54.4 | 0.7 | 7.6 | 2.0 | 1.0 | 1.5 | 2.0 | 3.0 | |
| 493 | 262087 | Brazil | | S | | | R | VL | 2-3 | S | 2534 | 1530 | 57.2 | 0.7 | 3.2 | 2.5 | 0.0 | 0.5 | 2.0 | 3.5 | |
| 494 | 262045 | Brazil | | S | | | F | L | 2-3 | S | 1063 | 1245 | 49.2 | 1.7 | 6.8 | 2.5 | 1.0 | 1.5 | 2.0 | 3.5 | |
| 495 | 262046 | Brazil | | S | | | R | L | 2-3 | S | 1144 | 639 | 49.6 | 0.8 | 6.3 | 2.5 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 496 | 262050 | Brazil | | S | | | F | L | 2-3 | S | 1799 | 1036 | 49.1 | 1.0 | 8.5 | 3.0 | 1.0 | 1.0 | 3.0 | 3.5 | |
| 497 | 262051 | Brazil | | S | | | F | VL | 2-3 | S | 1717 | 1019 | 52.6 | 1.1 | 6.8 | 2.5 | 1.0 | 1.5 | 2.0 | 3.5 | |
| 498 | 262052 | Brazil | | S | | | R | VL | 2-3 | S | 1635 | 946 | 51.3 | 2.2 | 6.6 | 2.5 | 1.0 | 1.0 | 3.0 | 3.5 | |
| 499 | 262062 | Brazil | | S | | | R | L | 2-3 | S | 1962 | 1163 | 52.4 | 0.5 | 6.9 | 2.5 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 500 | 262072 | Brazil | No Plants | | | | | | | | | | | | | | | | | | |
| 501 | 262073 | Brazil | | S | | | R | VL | 2-3 | S | 1308 | 775 | 52.4 | 0.7 | 6.9 | 2.5 | 1.0 | 1.5 | 3.0 | 3.5 | |
| 502 | 262074 | Brazil | | S | | | R | L | 2-3 | S | 1390 | 802 | 49.9 | 1.3 | 7.8 | 2.5 | 1.0 | 1.5 | 3.5 | 3.5 | |
| 503 | 262075 | Brazil | | S | | | W | L | 2-3 | S | 2207 | 1253 | 49.8 | 0.4 | 7.0 | 2.5 | 1.5 | 1.5 | 2.5 | 3.5 | |
| 504 | 262076 | Brazil | | S | | | F | VL | 2-3 | N | 1962 | 1096 | 50.9 | 0.4 | 5.0 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 505 | 262080 | Brazil | | S | | | R | VL | 3-4 | S | 1962 | 1216 | 55.1 | 1.4 | 6.9 | 2.0 | 0.5 | 1.0 | 2.5 | 3.5 | |
| 506 | 274201 | Bolivia | S-VL | | | 29.8-35.0 | R | L | 2-3 | S | 1063 | 584 | 47.4 | 0.8 | 7.6 | 1.5 | 0.5 | 1.0 | 2.5 | 3.5 | Midseason, 75.0% meats. |
| 507 | 261897 | Bolivia | | S | | | R | L | 2-4 | S | 818 | 470 | 52.0 | 0.2 | 5.5 | 2.0 | 1.5 | 1.5 | 3.0 | 3.5 | |
| 508 | 261895 | Bolivia | | | | | R | VL | 2-4 | S | 1144 | 648 | 51.2 | 1.6 | 5.5 | 2.0 | 1.0 | 1.5 | 2.0 | 3.5 | |
| 509 | 261932 | Paraguay | | S | | | F | L | 2-3 | S | 2453 | 1574 | 58.7 | 0.7 | 5.5 | 2.5 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 510 | 261934 | Paraguay | | S | | | F | M | 2 | S | 1962 | 1188 | 52.3 | 0.4 | 8.3 | 2.0 | 1.0 | 1.5 | 2.0 | 3.5 | |
| 511 | 261933 | Paraguay | | S | | | F | M | 2-3 | S | 1144 | 684 | 56.7 | 0.8 | 3.1 | 2.0 | 1.0 | 2.0 | 2.5 | 3.5 | |
| 512 | 261935 | Paraguay | | S | | | F | M | 2-3 | S | 1717 | 1006 | 44.6 | 0.5 | 14.0 | 2.0 | 1.5 | 2.0 | 3.5 | 3.5 | |
| 513 | 261938 | Paraguay | | S | | | R | VL | 2-3 | N | 1226 | 766 | 53.7 | 0.7 | 8.8 | 2.0 | 1.0 | 2.0 | 3.5 | 3.5 | |
| 514 | 261927 | Argentina | | S, V | | | DkR | M | 2 | S | 1799 | 1126 | 57.1 | 1.0 | 5.5 | 2.5 | 1.0 | 1.5 | 3.5 | 3.5 | Robust, early, 77.0% meats. |
| 515 | 274203 | Bolivia | S-V | | | 29.8-35.0 | DkR | L | 2-3 | S | 2044 | 1277 | 55.5 | 0.9 | 7.0 | 3.0 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 516 | 261940 | Bolivia | | V, BR | | | R | M | 2-3 | S | 3025 | 2038 | 61.4 | 0.3 | 6.0 | 2.0 | 1.0 | 2.0 | 3.0 | 3.5 | |
| 517 | 261951 | Paraguay | | S | | M | R | VL | 2-4 | S | 2861 | 1573 | 50.3 | 0.6 | 4.7 | 2.0 | 1.0 | 1.5 | 2.5 | 4.0 | |

TABLE I (Continued)

| Okla. P-No. | P.I. No. | Seed Catalog, 1964-65 Origin | Bot. Gp. | Growth Habit | Branching | Gms/100 Seed | Testa Color | Fruit Size | Fruit No. Seed | Fruit Const. | Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Thrips 6/13 | Leafspot 7/15 | Leafspot 8/3 | Leafspot 8/16 | Leafspot 9/21 | Catalog Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 518 | 261952 | Paraguay | | S | | S | DkR | VL | 2-4 | S | 1962 | 1161 | 51.9 | 2.3 | 7.3 | 2.5 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 519 | 261953 | Paraguay | | S | | S | DkR | VL | 2-4 | S | 1717 | 1071 | 55.1 | 0.5 | 7.3 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 520 | 261958 | Paraguay | | S | | S | R | L | 2-3 | S | 2371 | 1510 | 56.9 | 0.3 | 6.8 | 2.5 | 1.0 | 1.5 | 2.5 | 4.0 | |
| 521 | 261968 | Paraguay | | S | | S | F | L | 2-3 | S | 1962 | 1314 | 60.1 | 0.4 | 6.9 | 2.0 | 1.0 | 1.5 | 3.0 | 4.0 | |
| 522 | 261971 | Paraguay | | S | | S | F | M | 2-3 | S | 2289 | 1538 | 59.0 | 1.6 | 8.2 | 2.0 | 1.0 | 2.0 | 3.0 | 3.5 | |
| 523 | 261974 | Paraguay | | S | | S | R | L | 2-4 | S | 3270 | 2125 | 58.7 | 1.1 | 6.3 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | |
| 524 | 261977 | Paraguay | | S | | S | R | L | 2-4 | S | 2126 | 1252 | 54.2 | 0.4 | 4.7 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | |
| 525 | 261976 | Paraguay | | S | | M | DkR | VL | 2-3 | N | 1308 | 765 | 54.4 | 0.7 | 4.1 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 526 | 261977 | Paraguay | | S | | S | DkR | VL | 2-4 | S | 1962 | 1018 | 47.3 | 0.9 | 4.6 | 1.5 | 1.0 | 1.5 | 2.5 | 3.0 | |
| 527 | 261984 | Paraguay | | S | | S | F | M | 2-4 | M | 2453 | 1641 | 61.0 | 1.1 | 5.9 | 2.0 | 1.0 | 1.5 | 2.5 | 4.0 | |
| 528 | 261985 | Paraguay | | S | | S | F | M | 2 | S | 3025 | 1936 | 57.8 | 1.5 | 6.2 | 2.0 | 1.5 | 1.5 | 2.5 | 4.0 | |
| 529 | 261988 | Paraguay | | S | | S | DkR | S | 2 | S | 2534 | 1875 | 70.8 | 3.6 | 3.2 | 2.0 | 1.5 | 2.0 | 3.5 | 4.0 | |
| 530 | 261994 | Paraguay | | S, V | | S | F | L | 2-3 | S | 1962 | 1285 | 60.6 | 1.8 | 4.9 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | |
| 531 | 261995 | Paraguay | | S | | S | DkR | L | 2-3 | S | 2371 | 1596 | 57.8 | 1.9 | 9.5 | 2.0 | 1.5 | 1.5 | 2.5 | 3.5 | |
| 532 | 262001 | Paraguay | | S | | S | R | VL | 2-3 | N | 2534 | 1546 | 56.4 | 1.0 | 4.6 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 533 | 262013 | Paraguay | | S | | S | F | M | 2-3 | S | 2861 | 1817 | 55.0 | 0.9 | 8.5 | 2.0 | 1.5 | 1.5 | 3.0 | 3.5 | |
| 534 | 262025 | Paraguay | | S | | S | DkR | VL | 2-3 | N | 2044 | 1222 | 52.8 | 0.4 | 7.0 | 2.5 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 535 | 262005 | Paraguay | | S | | M | R | VL | 2-4 | S | 2453 | 1546 | 57.2 | 13.2 | 6.2 | 2.5 | 1.5 | 1.5 | 2.5 | 4.0 | |
| 536 | 262097 | Bolivia | | S | | S | R | L | 2-3 | S | 2207 | 1622 | 69.8 | 0.8 | 3.7 | 2.5 | 1.0 | 2.0 | 3.5 | 3.0 | |
| 536 A | 262094 | Bolivia | | S | | S | R | L | 2-3 | S | 1635 | 1046 | 58.5 | 0.6 | 5.5 | 2.0 | 1.0 | 1.0 | 2.0 | 3.0 | |
| 537 | 262066 | Brazil | | S | | M | R | VL | 2-4 | S | 1472 | 883 | 53.3 | 0.6 | 6.7 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | |
| 538 | 262059 | Brazil | | S | | M | R | VL | 2-3 | S | 1390 | 845 | 51.8 | 0.6 | 9.0 | 2.0 | 1.0 | 1.0 | 2.5 | 3.5 | |
| 539 | 261965 | Paraguay | | S, V | | S | DkR | M | 2 | N | 2453 | 1496 | 56.2 | 1.1 | 4.8 | 2.0 | 1.5 | 2.0 | 3.0 | 3.5 | |
| 540 | 262100 | Bolivia | | S | | S | R | VL | 2-4 | S | 2044 | 1089 | 48.9 | 0.9 | 4.4 | 2.0 | 0.5 | 1.0 | 2.0 | 3.5 | |
| 541 | 262104 | Bolivia | | S | | M | R | VL | 2-3 | N | 1799 | 1000 | 50.1 | 3.5 | 5.5 | 2.0 | 0.5 | 1.0 | 1.5 | 3.0 | |
| 542 | 261969 | Paraguay | | S, V | | S | F&R | | 2-3 | S | 3107 | 2020 | 58.6 | 2.0 | 6.4 | 2.0 | 1.0 | 2.0 | 2.5 | 4.0 | |
| 543 | 248755 | India | S | | | 28.4-29.5 | F | M | 2 | M | 2044 | 1250 | 54.2 | 4.0 | 7.0 | 2.0 | 1.0 | 1.5 | 2.5 | 4.0 | Midseason, 79.0% meats. |
| 544 | 248756 | India | S | | | 28.0 | F | S | 2 | S | 2207 | 1450 | 60.0 | 2.9 | 5.7 | 2.5 | 1.0 | 1.5 | 2.5 | 4.0 | Midseason. |
| 545 | 262087 | Brazil | | S | | V | R | L | 2-3 | S | 2044 | 1243 | 51.1 | 0.9 | 9.7 | 1.5 | 0.5 | 0.5 | 2.0 | 3.5 | |
| 546 | 248757 | India | S | | | 28.0 | F | S | 2 | S | 2861 | 1817 | 58.5 | 3.1 | 5.0 | 2.0 | 1.5 | 2.0 | 3.0 | 4.0 | Midseason, 80.0% meats. |
| 547 | 248758 | India | S | | | 28.4-29.5 | F | M | 2 | S | 2861 | 1925 | 62.9 | 3.1 | 4.4 | 2.0 | 1.5 | 2.0 | 3.0 | 4.0 | Early. |
| 548 | 248759 | India | S | | | 28.4-29.5 | F | M | 2 | S | 2289 | 1559 | 64.2 | 2.8 | 3.9 | 2.0 | 1.0 | 2.0 | 3.0 | 4.0 | Medium early, Spanish pod. |
| 549 | 248760 | India | S | | | 28.4-29.5 | F | M | 2 | S | 2943 | 1992 | 63.7 | 4.6 | 4.0 | 2.0 | 1.0 | 1.5 | 3.0 | 4.0 | Medium early. |
| 550 | 248761 | India | S | | | 28.4-29.5 | F | M | 2 | S | 2861 | 1848 | 60.5 | 3.8 | 4.1 | 2.0 | 1.5 | 1.5 | 2.5 | 4.0 | Early. |
| 551 | 248762 A | India | IS | | | 35.4-43.0 | F | M | 2 | S | 2453 | 1685 | 63.9 | 2.2 | 4.8 | 1.5 | 1.0 | 2.0 | 2.5 | 3.5 | Early. |
| 552 | 248763 | India | S | | | 28.4-29.5 | F | M | 2 | S | 2861 | 1791 | 57.6 | 1.9 | 5.0 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | Midseason, Spanish pod. |
| 553 | 248766 | India | S | | | 28.4-29.5 | F | M | 2 | S | 2207 | 1333 | 55.5 | 2.4 | 4.9 | 1.5 | 1.0 | 1.5 | 3.5 | 3.5 | Medium early, Spanish pod. |
| 554 | 248767 | India | S | | | 29.8-35.0 | F | M | 2 | S | 1799 | 1072 | 52.6 | 2.0 | 7.0 | 2.0 | 1.0 | 1.5 | 3.5 | 3.5 | Early, Spanish pod. |
| 555 | 248768 | India | S | | | 28.4-29.5 | F | M | 2 | S | 2371 | 1434 | 56.5 | 2.7 | 3.8 | 2.0 | 1.5 | 2.0 | 3.5 | 4.0 | Medium early, Spanish pod. |
| 556 | 248768 | | | | | | R | VL | 2-3 | S | 2044 | 1171 | 48.5 | 1.8 | 8.8 | 1.5 | 1.0 | 1.5 | 3.0 | 3.5 | |
| 557 | 247378 | S.Africa | S | | | 28.4-29.5 | F | M | 2 | S | 2289 | 1467 | 60.6 | 1.6 | 3.5 | 2.0 | 1.5 | 1.5 | 3.0 | 4.0 | Medium early, Spanish pod. |
| 558 | 240546 | | VL | | | 29.8-35.0 | F | L | 2-3 | N | 2616 | 1721 | 52.7 | 1.4 | 13.1 | 2.0 | 1.0 | 1.5 | 3.0 | 4.0 | Early, Valencia pod. |
| 559 | 240555 | | S | | | 28.4-29.5 | F | M | 2 | S | 3025 | 1939 | 60.5 | 3.0 | 3.6 | 1.5 | 1.5 | 2.0 | 3.5 | 3.5 | Medium early, Spanish pod. |
| 560 | 240561 | | VL | | | 29.8-35.0 | DkR | M | 2-4 | S | 2453 | 1550 | 56.2 | 1.5 | 7.0 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | Medium early. |
| 561 | 240572 | | S | | | 28.4-29.5 | F | M | 2 | S | 2534 | 1667 | 60.8 | 3.2 | 5.0 | 2.5 | 1.0 | 2.0 | 3.5 | 4.0 | Medium early, Spanish pod. |
| 562 | 240578 | | S | | | 28.4-29.5 | F | M | 2 | S | 3025 | 1993 | 60.8 | 2.4 | 5.1 | 2.0 | 1.0 | 1.5 | 3.5 | 3.5 | Medium early, Spanish pod. |
| 563 | 240579 | | VL | | | 29.8-35.0 | R | L | 2-4 | S | 2289 | 1353 | 52.4 | 1.2 | 6.7 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | Medium early, Valencia pod. |

TABLE I (Continued)

| Okla. P-No. | P.I. No. | Seed Catalog, 1964-65 Origin | Bot. Gp. | Growth Habit | Branching | Gms/100 Seed | Testa Color | Fruit Size | Fruit No. Seed | Fruit Const. | Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Thrips 6/13 | Leafspot 7/15 | Leafspot 8/3 | Leafspot 8/16 | Leafspot 9/21 | Catalog Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 564 | 268592 | N.Rhodesia | S | B | P | | R | L | 2-3 | S | 3107 | 2010 | 59.8 | 0.6 | 4.9 | 2.0 | 1.0 | 1.5 | 2.5 | 3.5 | VL pods. |
| 565 | 268597 | N.Rhodesia | S | B | P | | R&F | M | 2 | M | 2943 | 1875 | 59.4 | 4.3 | 4.3 | 1.5 | 1.0 | 1.0 | 2.5 | 4.0 | |
| 566 | 268600 | N.Rhodesia | S | B | S | | R | M | 2-3 | M | 572 | 377 | 56.5 | 3.1 | 9.4 | 2.0 | 0.5 | 1.0 | 2.0 | 3.0 | |
| 567 | 268601 | N.Rhodesia | S | B | S | | R | M | 2 | S | 818 | 559 | 65.0 | 3.3 | 3.3 | 2.0 | 1.5 | 2.0 | 3.0 | 3.5 | Short tops. |
| 568 | 268604 | N.Rhodesia | S,VL | B | M | | F | M | 2-3 | M | 1472 | 991 | 60.6 | 5.5 | 6.7 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | |
| 569 | 268613 | N.Rhodesia | S | B | M | | F | M | 2 | S | 1717 | 1063 | 55.1 | 2.6 | 6.8 | 2.5 | 0.5 | 1.5 | 2.0 | 3.5 | |
| 570 | 268614 | N.Rhodesia | S | B | S | | F | M | 2 | S | 2943 | 1945 | 64.0 | 2.8 | 2.1 | 1.0 | 1.0 | 1.5 | 3.5 | 4.0 | Pod size variable. |
| 571 | 268615 | N.Rhodesia | S | B | S-M | | F | M | 2 | S | 2698 | 1764 | 62.4 | 3.0 | 3.0 | 1.5 | 1.5 | 1.5 | 3.5 | 4.0 | |
| 572 | 268618 | N.Rhodesia | S | B | M-P | | F&R | M | 2 | S | 1962 | 1332 | 61.5 | 2.3 | 6.4 | 1.5 | 1.0 | 1.5 | 3.0 | 4.0 | Pod size variable. |
| 573 | 268620 | N.Rhodesia | S | B | M | | F | M | 2 | S | 1880 | 991 | 46.5 | 1.9 | 6.2 | 2.0 | 0.5 | 1.0 | 2.0 | 3.5 | Pod size variable. |
| 574 | 268623 | N.Rhodesia | S | B | M | | F&R | M | 2 | M | 2044 | 1061 | 47.1 | 2.6 | 4.8 | 2.5 | 1.0 | 1.5 | 2.5 | 3.5 | Pod size variable. |
| 575 | 268624 | N.Rhodesia | S | B | S-M | | F | M | 2 | M | 1145 | 622 | 48.8 | 3.1 | 5.5 | 2.0 | 2.0 | 2.0 | 3.0 | 3.5 | Nondescript pods and seed. |
| 576 | 268625 | N.Rhodesia | S | B | M | | F | M | 2 | S | 1635 | 1054 | 60.1 | 2.8 | 4.4 | 2.0 | 2.0 | 2.0 | 2.5 | 3.5 | Nondescript pods and seed. |
| 577 | 268626 | N.Rhodesia | S | B | M | | | | | | 2861 | 1837 | 61.4 | 3.5 | 2.8 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | Variable pods and seed. |
| 578 | 268627 | N.Rhodesia | S | B | S-M | | | | | | 1962 | 1322 | 63.3 | 3.2 | 4.1 | 2.0 | 1.5 | 2.0 | 3.0 | 3.5 | Variable pods and seed. |
| 579 | 268628 | N.Rhodesia | S | B | S-M | | | | | | 1635 | 1064 | 60.1 | 3.3 | 5.0 | 2.0 | 2.0 | 2.0 | 3.0 | 4.0 | |
| 580 | 268629 | N.Rhodesia | S | B | S-M | | | | | | 1063 | 657 | 55.9 | 4.2 | 5.9 | 2.0 | 2.0 | 2.0 | 3.5 | 4.0 | |
| 581 | 268630 | N.Rhodesia | S | B | M | | | | | | 1635 | 1046 | 58.5 | 2.8 | 5.5 | 2.0 | 1.5 | 1.5 | 3.5 | 4.0 | Variable pods and seed. |
| 582 | 268631 | N.Rhodesia | S | B | S-M | | | | | | 1962 | 1350 | 64.7 | 3.2 | 4.1 | 2.0 | 1.0 | 2.0 | 3.0 | 4.0 | Variable pods and seed. |
| 583 | 268633 | N.Rhodesia | S | B | M | | | | | | 2453 | 1668 | 64.7 | 3.3 | 3.3 | 1.5 | 1.5 | 2.0 | 3.0 | 3.5 | Variable pods and seed. |
| 584 | 268634 | N.Rhodesia | S | B | M | 38.8 | | | | | 2044 | 1333 | 59.5 | 1.3 | 5.7 | 2.0 | 1.0 | 1.5 | 3.0 | 3.5 | Nondescript. |
| 585 | 268635 | N.Rhodesia | S | B | M | 36.8 | | | | | 2616 | 1794 | 65.8 | 3.1 | 2.8 | 2.0 | 1.5 | 2.0 | 3.5 | 4.0 | Variable pods and seed. |
| 586 | 268636 | N.Rhodesia | S | B | M | 36.8 | | | | | 2534 | 1776 | 68.0 | 3.6 | 2.1 | 2.0 | 1.5 | 2.0 | 3.0 | 4.0 | Variable pods and seed. |
| 587 | 268637 | N.Rhodesia | S | B | S-M | 38.8-49.7 | | | | | 2780 | 1776 | 60.7 | 3.6 | 3.2 | 2.0 | 1.5 | 2.0 | 3.0 | 3.5 | Highly variable. |
| 588 | 268638 | N.Rhodesia | S | B | S-M | 40.5 | | | | | 2943 | 1848 | 60.0 | 3.7 | 2.8 | 2.5 | 1.5 | 2.0 | 3.0 | 3.5 | Variable pods and seed. |
| | | | | | | | | | | | | | | | | | (6/20) | (8/5) | (8/21) | (9/23) | |
| 589 | 268641 | N.Rhodesia | S | B | M | 31.9 | F | S | 2 | D | 818 | 739 | 76.0 | 7.7 | 14.3 | 1.0 | 0.5 | 1.0 | 3.0 | | Variable pods and seed. |
| 590 | 268642 | N.Rhodesia | S | B | M | 40.5 | F | M | 2 | M | 736 | 506 | 63.8 | 3.8 | 5.0 | 1.0 | 1.0 | 1.0 | 3.0 | | Variable pods and seed. |
| 591 | 268646 | N.Rhodesia | S | B | M | 42.3 | F | M | 2 | M | 1472 | 885 | 54.6 | 3.1 | 5.5 | 1.0 | 1.0 | 1.5 | 3.0 | | Variable pods and seed. |
| 592 | 268647 | N.Rhodesia | S | B | M | 36.8 | W | M | 2 | M | 1226 | 766 | 55.1 | 2.2 | 7.4 | 1.0 | 1.0 | 1.5 | 3.0 | | |
| 593 | 268649 | N.Rhodesia | S | B | S-M | 40.5 | F | S | 2 | M | 1063* | 577 | 47.5 | 6.8 | 6.8 | 0.5 | 1.0 | 1.5 | 3.0 | | Variable pods and seed. |
| 594 | 268654 | N.Rhodesia | S | B | M | | F | M | 2 | M | 572 | 382 | 59.1 | 6.1 | 7.6 | 1.0 | 1.0 | 1.0 | 3.0 | | Variable pods and seed. |
| 595 | 268657 | N.Rhodesia | S | B | S | 33.0 | F | S | 2 | M | 1145* | 730 | 57.5 | 7.1 | 6.3 | 1.0 | 1.0 | 1.5 | 4.0 | | Very short tops. |
| 596 | 268664 | N.Rhodesia | S | B | S | 37.8 | R | M | 2 | S | 572* | 399 | 60.3 | 6.3 | 9.5 | 1.0 | 1.0 | 1.5 | 3.0 | | |
| 597 | 268665 | N.Rhodesia | S | B | S-M | 35.0 | R | M | 2 | S | 1308* | 874 | 58.5 | 6.9 | 8.3 | 1.5 | 1.5 | 1.5 | 3.0 | | |
| 598 | 268666 | N.Rhodesia | S | B | S-M | 33.0 | R | M | 2 | M | 818* | 496 | 54.0 | 5.5 | 6.6 | 1.0 | 1.5 | 1.5 | 3.0 | | |
| 599 | 268667 | N.Rhodesia | S | B | S-M | 35.0 | R | S | 2 | S | 245* | 117 | 40.5 | 7.4 | 7.4 | 1.0 | 1.5 | 1.5 | 3.0 | | |
| 600 | 268668 | N.Rhodesia | S | B | S-M | 33.0 | R | S | 2 | S | 491 | 307 | 55.2 | 3.7 | 7.4 | 1.0 | 1.5 | 1.5 | 3.0 | | Some plants coarse. |
| 601 | 268669 | N.Rhodesia | S | B | S-M | 31.2-35.0 | R | S | 2 | D | 409* | 207 | 44.0 | 4.4 | 6.6 | 1.0 | 1.0 | 1.5 | 3.0 | | Variable pods. |
| 602 | 268669 | N.Rhodesia | S | B | S-M | 31.2-35.0 | R | M | 2 | S | 164* | 63 | 27.5 | 5.5 | 11.0 | 1.0 | 1.0 | 1.5 | 3.0 | | Variable pods. |
| 603 | 268670 | N.Rhodesia | S | B | S | 33.0 | R | M | 2 | M | 899 | 495 | 46.1 | 4.0 | 9.0 | 1.0 | 1.5 | 1.5 | 3.0 | | Some plants coarse. |
| 604 | 268672 | N.Rhodesia | S | B | M | 35.4 | R | M | 2 | M | 409* | 324 | 66.1 | 6.6 | 13.2 | 1.0 | 2.0 | 2.0 | 3.0 | | |
| 605 | 268673 | N.Rhodesia | S | B | M | 33.0 | R | S | 2 | S | 491* | 415 | 77.2 | 11.0 | 7.4 | 1.0 | 1.5 | 1.5 | 3.0 | | |
| 606 | 268674 | N.Rhodesia | S | B | S-M | 30.2 | R | S | 2 | S | 736* | 478 | 56.3 | 1.2 | 8.6 | 1.0 | 1.5 | 1.5 | 3.0 | | Very short pods. |
| 607 | 268675 | N.Rhodesia | S | B | S | 31.9 | R | S | 2 | S | 491 | 334 | 57.0 | 3.7 | 11.0 | 1.0 | 1.5 | 1.5 | 3.0 | | |
| 608 | 268676 | N.Rhodesia | S | B | M | 33.0 | R | M | 2 | S | 248* | 144 | 51.5 | 3.7 | 7.4 | 1.0 | 1.0 | 1.5 | 3.0 | | |
| 609 | 268677 | N.Rhodesia | S | B | S-M | 36.8 | W | M | 2 | S | 899* | 612 | 59.1 | 6.0 | 9.0 | 0.5 | 0.5 | 1.5 | 3.0 | | White seed coat. |
| 610 | 268678 | N.Rhodesia | S | B | S-M | 35.9 | W | S | 2 | S | 818* | 550 | 56.2 | 5.5 | 11.0 | 1.0 | 0.5 | 1.0 | 3.5 | | White seed coat. |

TABLE I (Continued)

| Okla. P-No. | P.I. No. | Seed Catalog, 1964-65 Origin | Bot. Gp. | Growth Habit | Branching | Gms/100 Seed | Testa Color | Fruit No. Size | Seed | Const. | Yield (lb/A) | Kernel Yield (lb/A) | SMK (%) | SS (%) | OK (%) | Thrips 6/20 | Leafspot 8/5 | 8/21 | 9/23 | Catalog Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 611 | 268679 | N.Rhodesia | S | B | S-M | 38.8-41.1 | W | M | 2 | S | 818* | 598 | 65.2 | 5.6 | 7.9 | 1.0 | 0.5 | 1.0 | 3.0 | White seed coat. |
| 612 | 268683 | N.Rhodesia | S | B | S-M | 39.9 | F | M | 2 | S | 1063 | 748 | 65.3 | 8.5 | 5.1 | 2.0 | 0.5 | 1.0 | 3.0 | Short tops. |
| 613 | 268685 | N.Rhodesia | S | B | M | 39.4 | F | M | 2 | S | 1472 | 920 | 57.0 | 5.5 | 5.5 | 1.0 | 0.5 | 1.0 | 3.0 | |
| 614 | 268686 | N.Rhodesia | S | B | S-M | 36.8 | F | L | 2 | S | 1226 | 846 | 63.9 | 2.9 | 5.1 | 1.0 | 1.0 | 1.0 | 3.5 | |
| 615 | 268690 | N.Rhodesia | S | B | M | 41.1 | F | S | 2 | M | 1962 | 1297 | 58.3 | 6.0 | 7.8 | 1.0 | 1.0 | 2.0 | 3.0 | Variable pods and seed. |
| 616 | 268695 | N.Rhodesia | S | B | S-M | 33.4 | F | S | 2 | M | 1308 | 874 | 59.9 | 5.5 | 6.9 | 1.0 | 0.5 | 2.0 | 4.0 | Variable pods and seed. |
| 617 | 268696 | N.Rhodesia | S | B | S-M | 34.6 | F | M | 2 | M | 1226* | 766 | 56.6 | 2.9 | 5.9 | 1.0 | 1.0 | 2.0 | 3.0 | |
| 618 | 268697 | N.Rhodesia | S | B | S | 33.0 | F | S | 2 | S | 1635* | 1185 | 65.9 | 6.6 | 6.6 | 1.0 | 1.0 | 2.0 | 3.0 | |
| 619 | 268698 | N.Rhodesia | S | B | S-M | 31.9 | F | S | 2 | M | 1308 | 973 | 68.2 | 7.6 | 6.2 | 1.0 | 0.5 | 1.5 | 3.0 | |
| 620 | 268699 | N.Rhodesia | S | B | S | 31.9 | F | M | 2 | M | 1063* | 657 | 56.7 | 5.9 | 5.1 | 1.0 | 0.5 | 1.0 | 3.0 | Variable pods and seed. |
| 621 | 268700 | N.Rhodesia | S | B | M | 35.9 | F | M | 2 | M | 1635* | 937 | 49.6 | 2.8 | 7.7 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 622 | 268701 | N.Rhodesia | S | B | M | 33.0 | F | M | 2 | M | 1226* | 756 | 55.1 | 5.1 | 6.6 | 1.0 | 1.0 | 1.5 | 3.5 | Variable pods and seed. |
| 623 | 268702 | N.Rhodesia | S | B | S-M | 38.8 | F | M | 2 | S | 899* | 531 | 48.1 | 5.0 | 11.0 | 1.0 | 1.0 | 1.5 | 3.0 | |
| 624 | 268703 | N.Rhodesia | S | B | S-M | 33.0-35.9 | F | M | 2 | M | 1145 | 658 | 51.2 | 7.1 | 6.3 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 625 | 268703 | N.Rhodesia | S | B | S-M | 33.0-35.9 | F | M | 2 | M | 899 | 486 | 51.1 | 3.0 | 3.0 | 1.0 | 0.5 | 1.0 | 3.0 | Variable pods and seed. |
| 626 | 268704 | N.Rhodesia | S | B | S | 35.0 | F | M | 2 | M | 491 | 325 | 60.7 | 9.2 | 5.5 | 1.0 | 0.0 | 1.0 | 3.0 | Variable pods and seed. |
| 627 | 268706 | N.Rhodesia | S | B | M | 33.0-43.6 | F | M | 2 | M | 1635 | 1046 | 56.8 | 6.1 | 7.2 | 0.5 | 0.5 | 1.5 | 3.5 | Variable pods and seed. |
| 628 | 268707 | N.Rhodesia | S | B | S | 34.6 | F | M | 2 | M | 1390* | 981 | 62.8 | 5.9 | 7.8 | 1.0 | 1.0 | 1.5 | 3.5 | |
| 629 | 268708 | N.Rhodesia | S | B | S-M | 31.9-40.5 | F | M | 2 | M | 1308 | 783 | 54.4 | 2.8 | 5.5 | 1.0 | 1.5 | 1.5 | 3.0 | Variable pods and seed. |
| 630 | 268709 | N.Rhodesia | S | B | S-M | 34.2 | F | M | 2 | M | 1145 | 695 | 55.2 | 2.4 | 5.5 | 1.0 | 1.0 | 1.5 | 3.0 | Variable pods and seed. |
| 631 | 268710 | N.Rhodesia | S | B | S-M | 33.0-35.4 | F | M | 2 | D | 818* | 550 | 61.7 | 7.7 | 5.5 | 1.0 | 1.0 | 1.5 | 3.0 | Variable pods and seed. |
| 632 | 268711 | N.Rhodesia | S | B | S-M | 31.5 | F | S | 2 | M | 1390 | 937 | 61.6 | 5.8 | 5.8 | 1.0 | 1.0 | 2.0 | 3.5 | |
| 633 | 268712 | N.Rhodesia | S | B | S-M | 30.5-37.8 | F | S | 2 | M | 1390 | 937 | 62.2 | 3.2 | 5.2 | 1.0 | 1.5 | 1.5 | 3.5 | Variable pods and seed. |
| 634 | 268713 | N.Rhodesia | S | B | S-M | 34.2 | F | S | 2 | S | 981 | 640 | 60.7 | 3.7 | 4.6 | 1.0 | 1.0 | 1.5 | 3.5 | |
| 635 | 268714 | N.Rhodesia | S | B | S-M | 32.2 | F | S | 2 | S | 2126 | 1460 | 61.9 | 5.1 | 6.8 | 1.5 | 1.0 | 1.5 | 3.0 | |
| 636 | 268715 | N.Rhodesia | S | B | S-M | 32.2 | F | M | 2 | S | 1799* | 1153 | 59.6 | 5.5 | 4.5 | 1.0 | 0.5 | 1.5 | 3.0 | |
| 637 | 268716 | N.Rhodesia | S | B | S-M | 30.2 | F | M | 2 | M | 654 | 360 | 49.6 | 6.9 | 5.5 | 1.0 | 1.0 | 1.5 | 3.5 | Short tops. |
| 638 | 268717 | N.Rhodesia | S | B | S-M | 34.6 | F | M | 2 | M | 981 | 542 | 48.8 | 2.8 | 6.4 | 1.0 | 1.0 | 1.5 | 3.0 | Variation in tops. |
| 639 | 268718 | N.Rhodesia | S | B | S-M | 31.9 | F | M | 2 | S | 1226 | 739 | 53.7 | 2.2 | 6.6 | 2.0 | 1.0 | 1.5 | 3.0 | Variation in tops. |
| 640 | 268719 | N.Rhodesia | S | B | S | 33.8 | F | M | 2 | S | 899 | 585 | 60.1 | 4.0 | 5.0 | 2.0 | 0.5 | 1.0 | 3.0 | Short tops. |
| 641 | 268720 | N.Rhodesia | S | B | S | 33.0 | F | M | 2 | M | 818 | 487 | 55.1 | 2.2 | 4.4 | 1.5 | 1.0 | 1.5 | 3.0 | |
| 642 | 268721 | N.Rhodesia | S | B | M | 31.2-35.1 | F | M | 2 | D | 981 | 594 | 56.0 | 6.4 | 4.6 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 643 | 268721 | N.Rhodesia | S | B | M | 31.2-35.1 | F | M | 2 | M | 1308 | 838 | 57.9 | 6.9 | 6.2 | 2.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 644 | 268722 | N.Rhodesia | S | B | M | 31.5 | F | M | 2 | M | 899 | 693 | 71.1 | 6.0 | 6.0 | 1.5 | 1.0 | 1.5 | 3.0 | |
| 645 | 268723 | N.Rhodesia | S | B | M | 30.2-31.5 | F | M | 2 | M | 899 | 567 | 55.1 | 2.0 | 8.0 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 646 | 268723 | N.Rhodesia | S | B | M | 30.2-31.5 | F | M | 2 | M | 818 | 541 | 56.2 | 7.7 | 9.9 | 1.0 | 0.5 | 1.0 | 3.0 | Variable pods and seed. |
| 647 | 268724 | N.Rhodesia | S | B | S-M | 30.2 | F | M | 2 | M | 1308 | 757 | 51.7 | 2.8 | 6.2 | 2.0 | 1.0 | 1.5 | 3.0 | |
| 648 | 268725 | N.Rhodesia | S | B | S-M | 31.9 | F | M | 2 | S | 1226 | 866 | 66.2 | 3.7 | 4.4 | 2.0 | 0.5 | 1.5 | 3.0 | Short tops. |
| 649 | 268726 | N.Rhodesia | S | B | S-M | 31.5 | F | M | 2 | M | 491 | 361 | 66.2 | 5.5 | 7.4 | 1.5 | 1.0 | 1.0 | 3.0 | |
| 650 | 268727 | N.Rhodesia | S | B | S-M | 31.9 | F | M | 2 | M | 491 | 298 | 53.3 | 1.8 | 7.4 | 1.0 | 1.0 | 1.0 | 2.5 | |
| 651 | 268728 | N.Rhodesia | S | B | S | 33.6 | F | M | 2 | M | 818 | 586 | 65.0 | 5.5 | 6.6 | 1.5 | 1.0 | 1.5 | 3.0 | |
| 652 | 268729 | N.Rhodesia | S | B | S-M | 31.2 | F | M | 2 | S | 1063 | 630 | 53.4 | 3.4 | 5.9 | 2.0 | 1.0 | 1.5 | 3.0 | |
| 653 | 268730 | N.Rhodesia | S | B | S-M | 32.6 | F | M | 2 | M | 491 | 262 | 45.9 | 5.5 | 7.4 | 1.0 | 1.0 | 1.5 | 3.0 | |
| 654 | 268732 | N.Rhodesia | S | B | S | 31.5 | F | M | 2 | S | 572 | 467 | 70.7 | 3.1 | 11.0 | 1.0 | 1.0 | 1.0 | 3.0 | |
| 655 | 268733 | N.Rhodesia | S | B | S | 34.6 | F | M | 2 | S | 818 | 622 | 69.4 | 4.4 | 6.6 | 2.0 | 1.0 | 1.0 | 3.0 | |
| 656 | 268734 | N.Rhodesia | S | B | S-M | 34.2 | F | M | 2 | M | 899 | 611 | 61.0 | 4.0 | 7.0 | 2.0 | 1.0 | 1.0 | 3.0 | Finely branched. |
| 657 | 268735 | N.Rhodesia | S | B | S | 35.0 | F | M | 2 | S | 654 | 351 | 44.1 | 1.4 | 9.6 | 1.0 | 1.0 | 1.5 | 3.0 | Variable pods and seed. |

TABLE I (Continued)

| Okla. P-No. | P.I. No. | Seed Catalog, 1964-65 Origin | Bot. Gp. | Growth Habit | Branching | Gms/100 Seed | Testa Color | Fruit Size | Fruit No. Seed | Fruit Const. | Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Thrips 6/20 | Leafspot 8/5 | Leafspot 8/21 | Leafspot 9/23 | Catalog Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 658 | 268736 | N.Rhodesia | S | B | S | 35.9 | F | M | 2 | M | 572 | 342 | 53.5 | 1.6 | 6.3 | 1.0 | 1.0 | 1.0 | 2.5 | |
| 659 | 268737 | N.Rhodesia | S | B | S-M | 35.0-36.3 | F | M | 2 | S | 572 | 539 | 83.3 | 4.7 | 11.0 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 660 | 268738 | N.Rhodesia | S | B | S-M | 35.9 | F | M | 2 | S | 818 | 478 | 51.8 | 4.4 | 6.6 | 1.0 | 1.0 | 1.5 | 3.0 | Short tops. |
| 661 | 268739 | N.Rhodesia | S | B | M | 34.2-36.8 | F | M | 2 | S | 735 | 414 | 49.0 | 2.4 | 7.4 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 662 | 268739 | N.Rhodesia | S | B | M | 34.2-36.8 | F | M | 2 | S | 491 | 343 | 64.3 | 5.5 | 5.5 | 1.0 | 0.5 | 1.0 | 3.0 | Variable pods and seed. |
| 663 | 268741 | N.Rhodesia | S | B | S-M | 33.0 | F | M | 2 | M | 654 | 333 | 45.4 | 4.1 | 5.5 | 1.0 | 0.5 | 1.0 | 2.5 | |
| 664 | 268742 | N.Rhodesia | S | B | S | 33.0 | F | M | 2 | S | 654 | 441 | 63.4 | 2.8 | 4.1 | 0.5 | 0.5 | 1.0 | 3.0 | |
| 665 | 268743 | N.Rhodesia | S | B | M | 33.0-36.3 | F | M | 2 | M | 409 | 279 | 61.7 | 8.8 | 6.6 | 1.0 | 1.5 | 1.5 | 3.0 | Variable pods and seed. |
| 666 | 268743 | N.Rhodesia | S | B | M | 33.0-36.3 | F | M | 2 | M | 491 | 217 | 40.5 | 3.7 | 3.7 | 1.0 | 1.5 | 1.5 | 3.0 | Variable pods and seed. |
| 667 | 268744 | N.Rhodesia | S | B | S-M | 31.5 | F | M | 2 | S | 735 | 533 | 67.4 | 6.6 | 5.1 | 1.0 | 0.5 | 2.0 | 3.0 | Variable pods and seed. |
| 668 | 268745 | N.Rhodesia | S | B | S-M | 34.2 | F | M | 2 | S | 164 | 126 | 71.4 | 5.5 | 5.5 | 0.0 | 1.5 | 2.0 | 3.5 | |
| 669 | 268746 | N.Rhodesia | S | B | S-M | 33.6 | F | M | 2 | S | 1390 | 884 | 57.1 | 3.9 | 6.5 | 1.0 | 1.0 | 1.0 | 3.5 | |
| 670 | 268747 | N.Rhodesia | S | B | S-M | 31.2-37.8 | F | M | 2 | S | 327 | 162 | 46.9 | 13.8 | 2.8 | 1.5 | 1.0 | 1.0 | 3.5 | Variable pods and seed. |
| 671 | 268747 | N.Rhodesia | S | B | S-M | 31.2-37.8 | F | M | 2 | S | 491 | 298 | 53.3 | 9.2 | 7.4 | 1.0 | 1.5 | 1.5 | 3.5 | Variable pods and seed. |
| 672 | 268748 | N.Rhodesia | S | B | S-M | 31.9 | F | M | 2 | M | 409 | 225 | 48.4 | 6.6 | 6.6 | 1.0 | 0.5 | 2.0 | 3.5 | Variable pods and seed. |
| 673 | 268748 | N.Rhodesia | S | B | S-M | 30.2 | F | M | 2 | M | 2044 | 1406 | 60.4 | 7.0 | 8.4 | 1.0 | 1.0 | 1.5 | 3.5 | Variable pods and seed. |
| 674 | 268751 | N.Rhodesia | S | B | M | 35.0 | W | M | 2 | M | 245* | 126 | 36.8 | 3.7 | 11.0 | 0.5 | 0.5 | 1.5 | 3.0 | White seed coat. |
| 675 | 268753 | N.Rhodesia | S | B | S-M | 33.0 | F | M | 2 | M | 245 | 153 | 55.2 | 7.4 | 7.4 | 1.0 | 1.0 | 1.0 | 3.0 | Short tops. |
| 676 | 268754 | N.Rhodesia | S | B | S-M | 36.8 | F | M | 2 | M | 1635 | 1153 | 65.5 | 8.3 | 5.0 | 1.0 | 1.0 | 1.0 | 3.5 | Short tops. |
| 677 | 268757 | N.Rhodesia | S | B | M | 33.0 | F | M | 2 | M | 327* | 154 | 44.2 | 8.3 | 2.8 | 1.0 | 1.0 | 1.5 | 3.5 | Finely branched. |
| 678 | 268761 | N.Rhodesia | S | B | M | 31.2 | F | M | 2 | D | 491 | 606 | 69.9 | 9.2 | 12.9 | 1.0 | 1.0 | 1.0 | 3.0 | Finely branched. |
| 679 | 268762 | N.Rhodesia | S | B | M | 34.2 | F | M | 2 | D | 899* | 528 | 51.5 | 10.3 | 7.2 | 1.0 | 0.5 | 1.0 | 3.0 | |
| 680 | 268763 | N.Rhodesia | S | B | S-M | 35.9 | F | M | 2 | M-D | 1717* | 1032 | 55.3 | 8.0 | 4.8 | 1.0 | 1.0 | 1.0 | 3.0 | |
| 681 | 268764 | N.Rhodesia | S | B | S-M | 33.0 | F | M | 2 | D | 2207 | 1406 | 58.8 | 9.4 | 4.9 | 1.0 | 0.5 | 1.0 | 3.0 | Variable pods and seed. |
| 682 | 268765 | N.Rhodesia | S | B | M | 30.2 | F | M | 2 | D | 1717 | 1137 | 57.3 | 7.9 | 8.9 | 1.0 | 1.0 | 1.0 | 3.0 | Finely branched. |
| 683 | 268766 | N.Rhodesia | S | B | S-M | 34.6 | F | M | 2 | M | 2044* | 1241 | 55.0 | 7.0 | 5.7 | 1.0 | 0.5 | 1.0 | 3.0 | |
| 684 | - | | | | | | F | M | 2 | S | 1553* | 991 | 58.0 | 5.8 | 5.8 | 1.0 | 0.5 | 1.0 | 3.5 | |
| 685 | 268769 | N.Rhodesia | S | B | S-M | 35.9 | F | M | 2 | D | 2044 | 1251 | 57.7 | 4.8 | 3.5 | 1.0 | 1.0 | 1.0 | 3.0 | Short tops. |
| 686 | 268770 | N.Rhodesia | S | B | S-M | 37.3 | F | M | 2 | D | 491* | 298 | 55.2 | 9.2 | 5.5 | 1.0 | 0.5 | 1.0 | 3.0 | |
| 687 | 268771 | N.Rhodesia | S | B | S | 37.8-42.3 | F | L | 2 | M | 1308* | 946 | 66.8 | 7.6 | 5.5 | 1.5 | 0.5 | 1.5 | 3.0 | Variable pods and seed. |
| 688 | 268772 | N.Rhodesia | S | B | S-M | 31.9-37.8 | F | M | 2 | M | 1635 | 984 | 55.2 | 7.2 | 5.0 | 1.0 | 0.5 | 1.0 | 3.0 | Variable pods and seed. |
| 689 | 268772 | N.Rhodesia | S | B | S-M | 31.9-37.8 | F | M | 2 | D | 2207 | 1441 | 60.0 | 5.3 | 5.3 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 690 | 268773 | N.Rhodesia | S | B | S-M | 33.0-36.8 | F | M | 2 | D | 1880 | 1288 | 62.3 | 8.1 | 6.2 | 1.0 | 0.5 | 1.0 | 3.0 | Variable pods and seed. |
| 691 | 268773 | N.Rhodesia | S | B | S-M | 36.8-38.0 | F | M | 2 | D | 1226 | 766 | 57.4 | 3.7 | 5.1 | 1.5 | 0.5 | 1.5 | 3.0 | Variable pods and seed. |
| 692 | 268774 | N.Rhodesia | S | B | S-M | 30.8-33.0 | F | M | 2 | D | 1390 | 901 | 55.7 | 7.1 | 9.1 | 1.0 | 0.0 | 1.0 | 3.0 | Variable pods and seed. |
| 693 | 268774 | N.Rhodesia | S | B | S-M | 30.8-33.0 | F | M | 2 | D | 1063 | 721 | 57.6 | 7.6 | 10.2 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 694 | 268776 | N.Rhodesia | S | B | S-M | 35.0 | F | M | 2 | M-D | 1308 | 901 | 62.0 | 4.8 | 6.9 | 1.0 | 1.0 | 1.0 | 3.0 | Finely branched. |
| 695 | 268777 | N.Rhodesia | S | B | S-M | 27.8 | F | M | 2 | D | 1635 | 945 | 50.1 | 3.3 | 7.7 | 1.0 | 1.0 | 1.0 | 3.0 | Finely branched. |
| 696 | 268778 | N.Rhodesia | S | B | S-M | 30.5 | F | S | 2 | D | 1635 | 999 | 50.6 | 3.8 | 10.5 | 1.0 | 1.0 | 1.0 | 3.0 | Finely branched. |
| 697 | 268781 | N.Rhodesia | S | B | M | 36.8-47.3 | F | L | 2 | D | 1380 | 787 | 49.9 | 3.9 | 7.1 | 2.0 | 0.5 | 1.5 | 2.5 | Variable pods and seed. |
| 698 | 268782 | N.Rhodesia | S | B | M | 40.5 | F | L | 2 | M | 1553 | 882 | 51.0 | 2.9 | 5.8 | 1.0 | 0.5 | 1.0 | 3.0 | |
| 699 | 268783 | N.Rhodesia | S | B | S-M | 35.9 | F | M | 2 | M | 1145 | 694 | 55.9 | 5.5 | 4.7 | 1.0 | 1.0 | 1.0 | 3.0 | Finely branched. |
| 700 | 268784 | N.Rhodesia | S | B | S-M | 35.0 | F | M | 2 | M | 1145 | 762 | 62.0 | 10.8 | 4.6 | 1.5 | 1.0 | 1.5 | 3.0 | Finely branched. |
| 701 | 268785 | N.Rhodesia | S | B | S-M | 30.8 | F | M | 2 | M-D | 1635 | 1018 | 57.9 | 9.9 | 4.4 | 1.5 | 0.5 | 1.5 | 3.0 | |
| 702 | 268786 | N.Rhodesia | S | B | S-M | 31.2-34.2 | F | M | 2 | M | 2044 | 1406 | 62.6 | 4.8 | 6.2 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 703 | 268786 | N.Rhodesia | S | B | S-M | 31.2-34.2 | F | M | 2 | D | 1380 | 804 | 53.1 | 7.1 | 5.2 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 704 | 268787 | N.Rhodesia | S | B | S-M | 31.9-36.5 | F | M | 2 | D | 2289* | 1415 | 55.9 | 9.8 | 5.9 | 1.0 | 0.5 | 1.0 | 3.0 | Variable pods and seed. |

TABLE I (Continued)

| Okla. P-No. | P.I. No. | Seed Catalog, 1964-65 Origin | Bot. Gp. | Growth Habit | Branching | Gms/100 Seed | Testa Color | Fruit Size | Fruit No. Seed | Fruit Const. | Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Thrips 6/20 | Leafspot 8/5 | Leafspot 8/21 | Leafspot 9/23 | Catalog Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 705 | 268790 | N.Rhodesia | S | B | S-M | 33.0 | F | M | 2 | D | 1635 | 991 | 55.1 | 3.8 | 5.5 | 1.0 | 1.0 | 1.0 | 3.0 | |
| 706 | 268791 | N.Rhodesia | S | B | S-M | 31.9-34.2 | F | M | 2 | D | 1226 | 802 | 57.3 | 4.4 | 8.1 | 0.5 | 1.0 | 1.0 | 2.5 | Variable pods and seed. |
| 707 | 268791 | N.Rhodesia | S | B | S-M | 31.9-34.2 | F | M | 2 | D | 1226 | 793 | 57.3 | 4.4 | 7.4 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 708 | 268792 | N.Rhodesia | S | B | S-M | 31.9-36.8 | F | M | 2 | D | 818 | 563 | 64.5 | 11.8 | 4.3 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 709 | 268792 | N.Rhodesia | S | B | S-M | 31.9-36.8 | F | M | 2 | D | 1226 | 729 | 54.4 | 2.9 | 5.1 | 1.0 | 0.5 | 1.0 | 2.5 | Variable pods and seed. |
| 710 | 268793 | N.Rhodesia | S | B | S-M | 32.6 | F | M | 2 | D | 1308 | 855 | 60.6 | 6.9 | 4.8 | 1.0 | 1.0 | 1.0 | 3.0 | |
| 711 | 268794 | N.Rhodesia | S | B | S | 34.2 | F | M | 2 | M | 1308 | 874 | 59.9 | 6.2 | 6.9 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 712 | 268795 | N.Rhodesia | S | B | S-M | 34.2-38.8 | F | M | 2 | M-D | 1390 | 926 | 61.2 | 7.9 | 5.9 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 713 | 268796 | N.Rhodesia | S | B | S-M | 37.3-38.8 | F | M | 2 | M | 1880 | 1188 | 59.4 | 8.1 | 3.8 | 1.0 | 1.0 | 1.5 | 3.0 | Variable pods and seed. |
| 714 | 268796 | N.Rhodesia | S | B | S-M | 37.3-38.8 | F | M | 2 | M | 2126 | 1441 | 63.6 | 7.6 | 4.2 | 1.0 | 0.5 | 1.5 | 3.0 | Variable pods and seed. |
| 715 | 268797 | N.Rhodesia | S | B | S-M | 31.5 | F | M | 2 | M | 1799 | 1081 | 55.1 | 7.0 | 5.0 | 1.0 | 0.5 | 1.5 | 3.0 | |
| 716 | 268798 | N.Rhodesia | S | B | S-M | 30.8 | F | S | 2 | D | 2453 | 1486 | 52.9 | 5.1 | 7.7 | 1.0 | 1.0 | 1.5 | 3.0 | |
| 717 | 268799 | N.Rhodesia | S | B | S-M | 35.0 | F | M | 2 | M | 1472 | 929 | 57.6 | 5.5 | 5.5 | 1.0 | 1.0 | 1.5 | 3.0 | |
| 718 | 268800 | N.Rhodesia | S | B | S-M | 33.0 | F | M | 2 | M | 1145 | 666 | 54.3 | 9.4 | 3.9 | 1.0 | 1.0 | 1.0 | 3.0 | |
| 719 | 268801 | N.Rhodesia | S | B | M | 31.9-37.3 | F | M | 2 | D | 1717* | 1082 | 58.3 | 3.7 | 4.7 | 1.0 | 1.0 | 1.5 | 3.0 | Variable pods and seed. |
| 720 | 268802 | N.Rhodesia | S | B | S-M | 31.5-35.0 | F | M | 2 | D | 1799 | 1054 | 52.1 | 7.5 | 6.5 | 1.0 | 1.0 | 2.0 | 3.0 | Variable pods and seed. |
| 721 | 268802 | N.Rhodesia | S | B | S-M | 31.5-35.0 | F | M | 2 | D | 1390 | 784 | 51.2 | 4.5 | 5.2 | 0.5 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 722 | 268803 | N.Rhodesia | S | B | S-M | 34.2 | F | M | 2 | S | 1635 | 1027 | 59.0 | 7.2 | 3.8 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 723 | 268804 | N.Rhodesia | S | B | S-M | 36.8 | F | M | 2 | D | 1553 | 1000 | 60.3 | 12.2 | 4.1 | 0.5 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 724 | 268805 | N.Rhodesia | S | B | S-M | 31.2 | F | S | 2 | M | 1308 | 848 | 55.8 | 9.0 | 9.0 | 1.0 | 1.0 | 1.5 | 3.0 | |
| 725 | 268806 | N.Rhodesia | S | B | S-M | 35.9-42.3 | F | M | 2 | M | 654* | 522 | 73.0 | 13.8 | 6.9 | 1.0 | 1.0 | 1.5 | 3.0 | Variable. |
| 726 | 268807 | N.Rhodesia | S | B | S-M | 35.4 | F | M | 2 | D | 1472* | 848 | 52.7 | 6.1 | 4.9 | 1.0 | 0.5 | 1.5 | 3.0 | |
| 727 | 268808 | N.Rhodesia | S | B | S-M | 28.9 | F | S | 2 | D | 1717 | 1054 | 52.0 | 4.7 | 9.4 | 1.0 | 0.5 | 1.5 | 3.0 | |
| 728 | 268809 | N.Rhodesia | S | B | S-M | 35.0 | F | S | 2 | D | 1880 | 1307 | 65.2 | 7.7 | 4.3 | 1.0 | 1.0 | 1.0 | 3.0 | |
| 729 | 268811 | N.Rhodesia | S | B | S-M | 35.0 | F | M | 2 | M | 1380 | 842 | 57.1 | 5.2 | 3.9 | 1.0 | 1.0 | 1.5 | 4.0 | Variable pods and seed. |
| 730 | 268811 | N.Rhodesia | S | B | S-M | 35.0 | F | M | 2 | S | 1799 | 1063 | 55.1 | 3.0 | 4.0 | 1.0 | 1.0 | 1.5 | 3.5 | Variable pods and seed. |
| 731 | 268812 | N.Rhodesia | S | B | M | 29.5 | F | S | 2 | D | 491* | 289 | 51.5 | 7.4 | 7.4 | 1.0 | 1.0 | 1.0 | 3.0 | Finely branched. |
| 732 | 268814 | N.Rhodesia | S | B | M | 33.6 | F | M | 2 | M | 164* | 81 | 38.5 | 5.5 | 11.0 | 1.0 | 0.5 | 1.5 | 3.0 | Coarsely branched. |
| 733 | 268815 | N.Rhodesia | S | B | S-M | 31.9 | F | S | 2 | D | 1226 | 812 | 56.6 | 4.4 | 9.6 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 734 | 268816 | N.Rhodesia | S | B | S-M | 35.9 | F | M | 2 | S | 1308 | 829 | 56.5 | 2.8 | 6.9 | 1.0 | 2.0 | 2.0 | 3.0 | Variable pods and seed. |
| 735 | 268817 | N.Rhodesia | S | B | S-M | 31.5 | F | M | 2 | M | 1472 | 968 | 55.9 | 3.7 | 9.9 | 1.0 | 0.5 | 1.0 | 3.0 | |
| 736 | 268818 | N.Rhodesia | S | B | S-M | 33.0 | F | M | 2 | M | 1226 | 856 | 61.0 | 5.9 | 8.8 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 737 | 268819 | N.Rhodesia | S | B | S-M | 39.9 | F | M | 2 | M | 572 | 431 | 66.0 | 6.3 | 9.4 | 1.0 | 1.0 | 1.5 | 2.5 | Coarsely branched. |
| 738 | 268820 | N.Rhodesia | S | B | S-M | 37.3 | F | S | 2 | M | 1962 | 1279 | 58.3 | 7.8 | 6.9 | 1.0 | 1.0 | 1.0 | 3.0 | |
| 739 | 268821 | N.Rhodesia | VL | B | S | 29.2-35.4 | F | L | 2-3 | M | 1553 | 828 | 48.7 | 1.7 | 4.6 | 1.0 | 0.5 | 1.0 | 2.5 | Variable pods and seed. |
| 740 | 268822 | N.Rhodesia | S | B | S-M | 39.9-48.9 | F | L | 2 | M | 1472 | 938 | 58.2 | 3.7 | 5.5 | 2.0 | 2.0 | 2.0 | 3.0 | Variable pods and seed. |
| 741 | 268823 | N.Rhodesia | S | B | M | 31.9 | F | M | 2 | S | 818 | 487 | 52.9 | 2.2 | 6.6 | 1.0 | 1.5 | 1.5 | 3.0 | Variable pods and seed. |
| 742 | 268824 | N.Rhodesia | S | B | M | 39.9 | F | M | 2 | S | 2616 | 1703 | 60.6 | 3.4 | 4.5 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 743 | 268825 | N.Rhodesia | S | B | M | 38.3 | F | L | 2 | M | 1063 | 756 | 66.9 | 1.7 | 4.2 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 744 | 268826 | N.Rhodesia | S | B | S | 30.2 | F | S | 2 | M | 2044 | 1290 | 53.8 | 4.4 | 9.3 | 1.0 | 0.0 | 1.0 | 3.0 | |
| 745 | 268827 | N.Rhodesia | S | B | S-M | 38.3 | F | L | 2 | S | 572 | 333 | 53.5 | 6.3 | 4.7 | 1.0 | 2.0 | 2.0 | 3.0 | Variable pods and seed. |
| 746 | 268828 | N.Rhodesia | S | B | S-M | 31.5-38.8 | F | M | 2 | M | 2453 | 1621 | 61.0 | 2.6 | 5.1 | 1.0 | 1.5 | 2.0 | 3.0 | Variable pods and seed. |
| 747 | 268830 | N.Rhodesia | S | B | S | 28.9-31.5 | F | M | 2 | M | 1880 | 1173 | 50.4 | 5.3 | 12.0 | 1.0 | 1.0 | 1.5 | 3.0 | Variable pods and seed. |
| 748 | 268831 | N.Rhodesia | S | B | S-M | 32.6 | F | M | 2 | M | 1717 | 1064 | 56.2 | 2.6 | 5.8 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 749 | 268832 | N.Rhodesia | S | B | S | 18.2-33.0 | F | M | 2 | D | 1799 | 1099 | 55.1 | 4.5 | 6.0 | 1.0 | 1.5 | 1.5 | 3.0 | Variable pods and seed. |
| 750 | 268833 | N.Rhodesia | S | B | S-M | 35.9 | F | M | 2 | M | 1635 | 1082 | 58.5 | 8.3 | 7.7 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 751 | 268834 | N.Rhodesia | S | B | S-M | 36.8 | F | M | 2 | D | 1308 | 747 | 53.0 | 9.0 | 4.1 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 752 | 268835 | N.Rhodesia | S | B | S-M | 33.0 | F | M | 2 | M | 1308 | 936 | 62.6 | 9.6 | 9.1 | 1.0 | 1.5 | 1.5 | 3.0 | |

TABLE I (Continued)

| Okla. P-No. | P.I. No. | Origin | Seed Catalog, 1964-65 Bot. Gp. | Growth Habit | Branching | Gms/100 Seed | Testa Color | Fruit No. Size | Seed | Const. | Yield (lb/A) | Kernel Yield (lb/A) | SMK (%) | SS (%) | OK (%) | Thrips 6/20 | Leafspot 8/5 | 8/21 | 9/23 | Catalog Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 753 | 270768 | N.Rhodesia | VL | B | S | 37.8 | R | M | 2 | D | 654 | 405 | 53.7 | 4.1 | 8.3 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 754 | 270776 | N.Rhodesia | S | B | M | 31.2 | F | M | 2 | M | 818 | 586 | 61.7 | 7.7 | 9.9 | 1.0 | 1.0 | 1.5 | 3.0 | |
| 755 | 270778 | N.Rhodesia | S | B | M | 33.0 | R | M | 2 | M | 327* | 253 | 63.6 | 2.8 | 13.8 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 756 | 270784 | N.Rhodesia | S | B | M | 38.3 | R | L | 2 | M | 491 | 280 | 51.5 | 7.4 | 5.5 | 1.0 | 1.5 | 1.5 | 2.5 | Variable. |
| 806 | 261946 | Paraguay | S | | | S | DkR | VL | 2-3 | S | 981 | 587 | 52.4 | 1.8 | 7.4 | 1.0 | 1.5 | 1.5 | 2.5 | |
| 807 | 261954 | Paraguay | S | | | S | DkR | VL | 2-4 | S | 899 | 621 | 65.1 | 1.0 | 4.0 | 2.0 | 1.5 | 1.5 | 2.5 | |
| 808 | 261955 | Paraguay | S | | | S | R | M | 2 | M | 654* | 451 | 64.8 | 1.4 | 4.1 | 1.5 | 1.0 | 1.0 | 3.0 | |
| 809 | 261957 | Paraguay | S | | | M | DkR | L | 2 | S | 899 | 603 | 63.1 | 2.0 | 4.0 | 1.0 | 1.0 | 2.0 | 3.0 | |
| 810 | 262000 | Paraguay | S,V | | | M | F | L | 2 | D | 1226 | 856 | 65.4 | 8.8 | 4.4 | 1.5 | 1.0 | 2.0 | 3.0 | |
| 811 | 261956 | Paraguay | S | | | S | R | VL | 2 | S | 1553 | 551 | 51.0 | 2.9 | 4.1 | 1.0 | 2.0 | 2.0 | 3.0 | Segregating. |
| 812 | 261959 | Paraguay | S | | | M | DkR | L | 2-3 | S | 981* | 587 | 56.1 | 2.8 | 3.7 | 1.5 | 1.0 | 1.0 | 3.0 | |
| 813 | 261978 | Paraguay | S | | | M | DkR | L | 2 | S | 736 | 478 | 60.0 | 2.4 | 4.9 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 814 | 262004 | Paraguay | S | | | S | R | L | 2 | M | 1145* | 686 | 54.4 | 1.6 | 5.5 | 1.5 | 1.0 | 1.5 | 3.0 | |
| 815 | 261962 | Paraguay | S,VL | | | M | DkR | L | 2 | M | 818 | 532 | 60.6 | 2.2 | 4.4 | 2.0 | 1.5 | 2.0 | 3.0 | |
| 816 | 262048 | Brazil | S | | | M | F | L | 2 | D | 1308 | 811 | 57.9 | 7.6 | 4.1 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 817 | 262068 | Brazil | S | | | S | F | L | 2 | D | 1063 | 630 | 55.1 | 10.2 | 4.2 | 2.0 | 1.0 | 1.0 | 3.0 | |
| 818 | 262057 | Brazil | S | | | M | F | L | 2 | D | 899 | 621 | 62.9 | 3.1 | 6.2 | 1.0 | 1.0 | 1.5 | 3.0 | |
| 819 | 262090 | Bolivia | S | | | S | R | L | 2-2 | S | 899* | 513 | 52.1 | 1.0 | 5.0 | 1.0 | 0.5 | 1.5 | 2.5 | |
| 820 | 262095 | Bolivia | S | | | M | R | L | 3 | S | 654 | 342 | 48.2 | 2.8 | 4.1 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 821 | 262098 | Bolivia | S | | | M | R | L | 2 | S | 491* | 316 | 55.2 | 3.7 | 9.2 | 1.0 | 1.0 | 1.5 | 3.0 | |
| 822 | 248762 B | India | S | | | 35.4-43.0 | W | M | 2 | D | 1390 | 999 | 68.0 | 5.8 | 3.9 | 1.0 | 1.5 | 2.0 | 3.0 | Early maturity. |
| 823 | 247374 | S.Africa | S,V | | | 35.4-43.0 | W | L | 2 | M | 899 | 648 | 62.1 | 6.0 | 4.0 | 1.0 | 2.0 | 2.5 | 3.0 | Medium early, S-V pods. |
| 824 | 247375 | S.Africa | S | | | 35.4-43.0 | F | L | 2 | M | 818 | 604 | 69.4 | 3.3 | 4.4 | 1.0 | 1.0 | 1.0 | 3.0 | Medium early, S pod. |
| 825 | 240543 | | IS | | | 35.4-43.0 | DkR | L | 2-3 | S | 1145* | 740 | 62.2 | 2.4 | 2.4 | 1.5 | 1.0 | 1.0 | 3.0 | Early maturity, S pod. |
| 826 | 240570 | | IS | | | 35.4-43.0 | F | M | 2 | M | 1962 | 1307 | 62.9 | 4.6 | 3.7 | 1.0 | 0.5 | 1.5 | 3.0 | Early maturity, S pod. |
| 827 | 269710 | Japan | | | | | F | M | 2 | M | 491 | 362 | 66.3 | 3.8 | 7.4 | 1.0 | 1.0 | 1.0 | 3.0 | |
| 828 | 269719 | Japan | | | | | F | M | 2 | M | 1226 | 756 | 57.3 | 4.4 | 4.4 | 1.0 | 1.0 | 2.5 | 3.0 | |
| 829 | 268591 | N.Rhodesia | S | B | M | 48.9 | R | M | 2 | M | 1145* | 766 | 62.2 | 3.9 | 4.7 | 1.0 | 1.0 | 1.0 | 3.0 | |
| 830 | 268593 | N.Rhodesia | S | B | S | 45.7 | R | M | 2 | D | 736* | 424 | 52.7 | 4.9 | 4.9 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 831 | 268595 | N.Rhodesia | S | B | P-S | 47.3 | R | L | 2 | D | - | - | - | - | - | 1.0 | 1.5 | 1.5 | 2.5 | |
| 832 | 268596 | N.Rhodesia | S | B | P | 36.8 | R | M | 2 | M | 164* | 113 | 56.2 | 6.2 | 12.5 | 1.0 | 1.0 | 1.5 | 3.0 | |
| 833 | 268602 | N.Rhodesia | S | B | M | 43.0 | DkR | L | 2 | M | 572* | 341 | 50.3 | 3.1 | 9.4 | 1.0 | 1.0 | 1.5 | 3.0 | |
| 834 | 268603 | N.Rhodesia | S | B | M-P | 41.1 | DkR | L | 2 | D | 899* | 495 | 47.1 | 4.0 | 8.0 | 1.0 | 0.5 | 1.5 | 3.0 | |
| 835 | 268604 | N.Rhodesia | S,VL | B | M | 40.5 | F | L | 2-3 | M | 1063 | 657 | 54.2 | 4.2 | 7.6 | 1.0 | 1.0 | 1.5 | 3.0 | |
| 836 | 268612 | N.Rhodesia | S | B | M | 50.6 | F | L | 2 | M | 491 | 289 | 51.5 | 5.5 | 7.4 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 837 | 268616 | N.Rhodesia | S | B | M | 46.5 | F | L | 2 | M | 245* | 171 | 58.8 | 3.7 | 11.0 | 2.0 | 1.0 | 1.5 | 3.0 | Pod size variable. |
| 838 | 268617 | N.Rhodesia | S | B | M | 47.3 | F | L | 2 | M | 1226 | 766 | 58.8 | 3.7 | 3.7 | 1.0 | 1.5 | 1.5 | 3.0 | Pod size variable. |
| 839 | 268619 | N.Rhodesia | S | B | M | 47.3 | F | M | 2 | M | 572* | 387 | 61.3 | 4.7 | 6.3 | 1.0 | 1.0 | 2.0 | 3.0 | Pod size variable. |
| 840 | 268621 | N.Rhodesia | S | B | M | 49.7 | F | M | 2 | M | 736* | 425 | 50.3 | 3.7 | 7.4 | 2.0 | 1.5 | 1.5 | 3.0 | Pod size variable. |
| 841 | 268622 | N.Rhodesia | S | B | M | 48.9 | F | M | 2 | M | 1063* | 621 | 52.5 | 2.5 | 5.9 | 1.0 | 2.0 | 2.0 | 3.0 | Pod size variable. |
| 842 | 268630 | N.Rhodesia | S | B | M | 35.9-45.0 | F | M | 2 | S | 1390* | 954 | 64.7 | 5.2 | 3.9 | 1.0 | 1.0 | 1.5 | 3.0 | Variable pods and seed. |
| 843 | 268632 | N.Rhodesia | S | B | S-M | 41.1 | F | M | 2 | S | 409* | 261 | 57.2 | 6.6 | 6.6 | 1.0 | 1.5 | 1.5 | 3.0 | Variable pods and seed. |
| 844 | 268633 | N.Rhodesia | S | B | M | 31.9-45.0 | F | M | 2 | M | 1308 | 846 | 59.2 | 4.8 | 5.5 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 845 | 268639 | N.Rhodesia | S | B | P | 41.1 | F | L | 2 | S | 981* | 668 | 61.6 | 4.6 | 6.5 | 1.0 | 0.5 | 1.0 | 2.5 | Variable pods and seed. |
| 846 | 268640 | N.Rhodesia | S | B | M | 41.1 | F | M | 2 | M | 1308 | 739 | 46.9 | 2.1 | 9.6 | 1.0 | 0.5 | 1.0 | 3.0 | Variable pods and seed. |
| 847 | 268643 | N.Rhodesia | S | B | M | 45.7 | F | M | 2 | D | 1390 | 969 | 64.5 | 9.7 | 5.2 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 848 | 268645 | N.Rhodesia | S | B | M | 42.3 | F | M | 2 | M | 409* | 288 | 59.5 | 6.6 | 11.0 | 1.0 | 1.5 | 2.0 | 3.0 | Variable pods and seed. |
| 849 | 268648 | N.Rhodesia | S | B | S-M | 53.5 | F | M | 2 | M | 736* | 415 | 47.8 | 3.7 | 8.6 | 1.0 | 1.5 | 2.5 | 3.0 | Variable pods and seed. |
| 850 | 268650 | N.Rhodesia | S | B | M | 44.3 | F | M | 2 | D | 1226* | 819 | 61.7 | 6.6 | 5.1 | 1.0 | 1.5 | 1.5 | 3.0 | Variable pods and seed. |

TABLE I (Continued)

| Okla. P-No. | P.I. No. | Seed Catalog, 1964-65 Origin | Bot. Gp. | Growth Habit | Branching | Gms/100 Seed | Testa Color | Fruit No. Size | Seed | Const. | Yield (lb/A) | Kernel Yield (lb/A) | SMK (%) | SS (%) | OK (%) | Thrips 6/20 | Leafspot 8/5 | 8/21 | 9/23 | Catalog Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 851 | 268651 | N.Rhodesia | S | B | S-M | 44.3 | F | M | 2 | M | 245* | 198 | 73.5 | 3.7 | 7.4 | 1.0 | 2.0 | 2.0 | 3.0 | |
| 852 | 268652 | N.Rhodesia | S | B | M | 45.7 | F | M | 2 | M | 1390 | 820 | 53.8 | 3.9 | 5.2 | 2.0 | 1.5 | 1.5 | 3.0 | |
| 853 | 268653 | N.Rhodesia | S | B | M | 45.7 | F | L | 2 | M | 572 | 394 | 62.3 | 6.6 | 6.6 | 1.0 | 1.5 | 2.5 | 3.0 | Variable pods and seed. |
| 854 | 268654 | N.Rhodesia | S | B | M | 35.0-41.7 | F | M | 2 | D | 818 | 541 | 59.5 | 3.3 | 6.6 | 1.0 | 1.0 | 1.0 | 3.0 | Variable pods and seed. |
| 855 | 268655 | N.Rhodesia | S | B | P | 41.1 | F | M | 2 | D | 818 | 604 | 65.0 | 3.3 | 8.8 | 1.0 | 1.5 | 1.5 | 3.0 | Variable pods and seed. |
| 856 | 268658 | N.Rhodesia | S | B | S-M | 45.0 | F | L | 2 | D | 1880 | 1216 | 59.4 | 1.4 | 5.3 | 1.0 | 1.0 | 1.0 | 1.0 | |
| 857 | 268659 | N.Rhodesia | S | B | S-M | 45.0 | F | L | 2 | M | 1063 | 734 | 62.6 | 2.4 | 6.5 | 1.0 | 2.0 | 2.0 | 3.0 | |
| 858 | 268660 | N.Rhodesia | S | B | S-M | 44.3 | F | M | 2 | M | 1472 | 1011 | 62.5 | 5.6 | 6.2 | 2.0 | 2.0 | 2.0 | 3.0 | |
| 859 | 268679 | N.Rhodesia | S | B | S-M | 38.8-41.1 | W | M | 2 | M | 572* | 387 | 59.8 | 1.6 | 7.9 | 1.0 | 1.5 | 2.0 | 3.5 | White seed coat. |
| 860 | 268680 | N.Rhodesia | S | B | S-M | 41.7 | F | L | 2 | S | 1553 | 960 | 53.9 | 2.3 | 4.6 | 1.0 | 0.5 | 1.0 | 3.0 | |
| 861 | 268681 | N.Rhodesia | S | B | S-M | 39.4-43.6 | F | L | 2 | S | 818 | 577 | 66.1 | 4.4 | 4.4 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 862 | 268682 | N.Rhodesia | S | B | S-M | 41.1 | F | L | 2 | S | 1226 | 775 | 58.1 | 2.2 | 5.1 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 863 | 268687 | N.Rhodesia | S | B | M | 44.3 | F | L | 2 | S | 1308 | 863 | 61.2 | 3.4 | 4.8 | 1.0 | 1.0 | 1.0 | 3.0 | |
| 864 | 268688 | N.Rhodesia | S | B | S-M | 45.7 | F | M | 2 | S | 1880 | 1273 | 62.0 | 4.7 | 5.7 | 1.0 | 1.5 | 1.5 | 3.0 | Variable pods and seed. |
| 865 | 268689 | N.Rhodesia | S | B | S-M | 42.3 | F | L | 2 | S | 2126 | 1307 | 58.1 | 3.8 | 3.4 | 1.0 | 1.0 | 1.5 | 3.0 | Variable pods and seed. |
| 866 | 268691 | N.Rhodesia | S | B | S-M | 45.0 | F | M | 2 | M | 899* | 522 | 53.1 | 1.0 | 5.0 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 867 | 259778 | Nyasaland | VL | | S-M | 55.6 | F | L | 2 | M | 1226 | 796 | 59.2 | 2.8 | 5.7 | 1.0 | 1.0 | 1.0 | 3.0 | Midseason, vig.,72.2% meats. |
| 868 | 268693 | N.Rhodesia | S | B | S-M | 45.0 | F | M | 2 | M | 491 | 262 | 46.0 | 3.7 | 7.4 | 1.0 | 1.0 | 1.0 | 2.5 | Variable pods and seed. |
| 869 | 268694 | N.Rhodesia | S | B | S-M | 45.0 | F | L | 2 | M | 654 | 334 | 45.5 | 2.8 | 5.5 | 1.0 | 0.5 | 1.0 | 2.5 | Variable pods and seed. |
| 870 | 268706 | N.Rhodesia | S | B | M | 33.0-43.6 | F | M | 2 | M | 899 | 495 | 49.1 | 2.8 | 5.5 | 1.0 | 1.5 | 1.5 | 2.5 | Variable pods and seed. |
| 871 | 268752 | N.Rhodesia | S | B | M | 41.1 | F | M | 2 | M | 654 | 396 | 56.5 | 5.5 | 4.1 | 1.0 | 1.0 | 1.0 | 2.5 | |
| 872 | 268755 | N.Rhodesia | S | B | S-M | 44.3 | F | L | 2 | D | 1472 | 992 | 61.9 | 5.5 | 5.5 | 1.5 | 1.0 | 1.0 | 3.0 | |
| 873 | 268756 | N.Rhodesia | S | B | S-M | 41.1 | F | M | 2 | M-D | 2044 | 1388 | 63.5 | 6.2 | 4.4 | 1.0 | 1.5 | 1.5 | 3.0 | |
| 874 | 268759 | N.Rhodesia | S | B | M | 42.3-47.3 | F | M | 2 | D | 1390 | 928 | 60.3 | 4.5 | 6.5 | 1.0 | 1.5 | 1.5 | 3.0 | Variable pods and seed. |
| 875 | 268779 | N.Rhodesia | S | B | M | 42.3 | F | M | 2 | D | 1635 | 1081 | 61.1 | 3.8 | 5.0 | 1.0 | 1.5 | 1.5 | 3.0 | Coarsely branched. |
| 876 | 268780 | N.Rhodesia | S | B | M | 42.3 | F | M | 2 | S | 1308 | 837 | 57.1 | 4.1 | 6.9 | 1.0 | 1.0 | 1.5 | 3.0 | Coarsely branched. |
| 877 | 268781 | N.Rhodesia | S | B | M | 36.8-47.3 | F | L | 2 | M | 1390 | 820 | 53.8 | 5.8 | 5.2 | 1.5 | 1.5 | 1.5 | 3.0 | Variable pods and seed. |
| 878 | 268788 | N.Rhodesia | S | B | S-M | 47.3 | F | L | 2 | S | 1635 | 974 | 54.6 | 2.2 | 5.0 | 1.0 | 2.0 | 2.0 | 3.0 | Highly productive. |
| 879 | 268806 | N.Rhodesia | S | B | S-M | 35.9-42.3 | F | M | 2 | M | 1390 | 992 | 64.9 | 3.2 | 6.5 | 1.0 | 1.5 | 1.5 | 3.0 | Variable pods and seed. |
| 880 | 268813 | N.Rhodesia | S | B | M | 43.0 | F | M | 2 | M | 2126 | 1324 | 58.1 | 3.0 | 4.2 | 1.0 | 1.5 | 1.5 | 3.0 | Coarsely branched. |
| 881 | 268829 | N.Rhodesia | S | B | S-M | 37.3-41.1 | F | M | 2 | M | 1553* | 873 | 51.6 | 4.6 | 4.6 | 1.0 | 1.5 | 2.0 | 3.0 | Variable pods and seed. |
| 882 | 270767 | N.Rhodesia | S | B | M | 41.7 | R | M | 2 | M | 654* | 378 | 50.9 | 4.1 | 6.9 | 1.5 | 2.0 | 2.0 | 3.0 | |
| 883 | 270786 A | N.Rhodesia | S | B | S | 34.6-45.0 | DkR | L | 2 | S | 981 | 639 | 58.7 | 4.6 | 6.4 | 1.0 | 1.5 | 1.5 | 3.0 | Coarse. |
| 884 | 270791 | N.Rhodesia | S | B | S-M | 45.0 | DkR | M | 2 | S | 1063 | 747 | 64.4 | 2.5 | 5.9 | 1.0 | 1.5 | 1.5 | 3.0 | 78.0% meats. |
| 885 | 270793 | N.Rhodesia | S | B | M | 48.1 | R | M | 2 | D | 572 | 362 | 56.6 | 3.3 | 6.7 | 1.0 | 1.5 | 1.5 | 3.0 | Hard rough shell,74.0% meats. |
| 886 | 270794 | N.Rhodesia | S | B | M-P | 43.6 | R | L | 2 | M | 654 | 513 | 71.6 | 1.4 | 6.9 | 1.0 | 2.0 | 2.0 | 3.0 | Hard rough shell,75.0% meats. |
| 887 | 270795 | N.Rhodesia | S | B | M-P | 47.2 | R | L | 2 | S | 818 | 577 | 61.7 | 1.1 | 8.8 | 1.0 | 2.0 | 2.0 | 3.0 | Hard rough shell,76.0% meats. |
| 888 | 270816 | N.Rhodesia | S | B | S-M | 47.2 | F | L | 2 | S | 1717 | 1056 | 57.3 | 5.8 | 4.2 | 1.0 | 1.0 | 1.5 | 3.0 | Short top, 77.0% meats. |
| 889 | 270842 | N.Rhodesia | | B | S-M | 41.7 | R | L | 2 | S | 654* | 424 | 57.9 | 1.4 | 6.9 | 1.0 | 2.0 | 2.5 | 3.0 | Hard shell, 75.0% meats. |
| 890 | 259650 | Cuba | S | | M | 49.7 | R | VL | 2-3 | M | 1226 | 721 | 52.9 | 2.2 | 5.9 | 1.0 | 2.0 | 2.0 | 3.0 | M.vig.,m.e.,VL pods,72.9% m. |
| 891 | 259718 | Peru | | | M | 54.5 | F | M | 2 | S | 1717 | 1190 | 64.6 | 4.7 | 4.7 | 1.0 | 1.5 | 1.5 | 3.5 | Vig.,late, S.pods,83.5% meats. |
| 892 | 259719 | Peru | | | M | | F | L | 2 | S | 1717 | 1090 | 59.3 | 2.6 | 4.2 | 1.0 | 1.0 | 1.5 | 3.0 | |
| 893 | 259746 | Uruguay | S | | S | 50.6 | F | L | 2 | M | 1553 | 972 | 57.4 | 2.9 | 5.2 | 1.0 | 1.5 | 1.5 | 3.0 | Mod.vig., m.e.,S.pods,76.9% |
| 894 | 259754 | Venezuela | | | M | 53.5 | F | L | 2 | D | 1226 | 756 | 56.6 | 5.1 | 5.1 | 1.0 | 2.0 | 2.0 | 3.0 | Vig.,mid, S.pods,78.0% meats. |
| 895 | 259756 | Venezuela | S | | M | 30.5 | F | M | 2 | D | 1553 | 936 | 56.8 | 5.2 | 3.5 | 1.0 | 1.5 | 2.0 | 3.0 | M.vig.,early,S.pods,79.4% m. |
| 896 | 259775 | Nyasaland | S | | M-S | 54.5 | F | L | 2 | S | 1226 | 783 | 58.0 | 2.9 | 5.9 | 1.0 | 1.5 | 1.5 | 3.0 | M.vig.,early,S.pods,74.5% m. |
| 897 | 259825 | Nyasaland | V | R-B | M-P | 65.9 | R | L | 2-3 | S | 818 | 577 | 63.9 | 1.1 | 6.6 | 1.5 | 1.5 | 1.5 | 2.5 | E.vig.,late,V.pods,67.0%meats. |
| 898 | 259834 | Nyasaland | S | | S-M | 61.6 | F | L | 2-3 | M | 818 | 568 | 61.7 | 4.4 | 7.7 | 1.0 | 2.0 | 2.0 | 3.0 | Vig.,mid,V.pods,73.0% meats. |
| 899 | 259835 | Nyasaland | S | | M | 55.6 | F | L | 2 | M | 818 | 505 | 55.1 | 4.4 | 6.6 | 1.0 | 2.0 | 2.0 | 3.0 | Vig.,mid,V.pods,73.9% meats. |
| 900 | 259603 | Australia | S | | M | 60.3 | F | L | 2 | D | 818 | 496 | 54.0 | 3.3 | 6.6 | 1.5 | 1.0 | 1.5 | 3.0 | Vig.,mid,S-Vpods,73.6% meats. |

## LEGEND FOR TABLE II

| | | | |
|---|---|---|---|
| Testa Color: | W | = | White, F = Flesh, R = Red, |
| | DkR | = | Dark Red, Pr = Purple. |
| Stem Color: | G | = | Green, Pr = Purple. |
| | * | = | Poor Stand. |

TABLE II

PEANUT INTRODUCTIONS: SUMMARY OF DATA FROM THE PRELIMINARY TEST GROWN IN 1964 AT THE AGRONOMY RESEARCH STATION NEAR PERKINS, OKLAHOMA

| Okla. P-No. | P.I. No. | Testa Color | Fruit Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Stem Color | Plant Ht. (cm) | Leaflet Area ($cm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Argentine | F | 1799 | 1173 | 57.2 | 3.2 | 8.0 | G | 30.5 | 18.4 |
| 3 | Dixie Span. | F | 1862 | 1652 | 68.3 | 11.3 | 4.6 | G | - | - |
| 4 | Spantex | F | 1950 | 1796 | 66.6 | 14.0 | 7.0 | G | - | - |
| 6 | Starr | F | 2044 | 1282 | 56.7 | 1.8 | 6.0 | G | 33.6 | 16.5 |
| 337 | 259637 | F | 2044 | 1320 | 61.5 | 2.9 | 3.1 | G | 33.0 | 12.8 |
| 338 | 259671 | F | 1635 | 1158 | 65.6 | 2.0 | 5.2 | G | 38.1 | 9.1 |
| 339 | 259678 | F | 1022 | 745 | 65.9 | 2.4 | 7.0 | G | 38.1 | 9.1 |
| 340 | 268516 | R | 777 | 590 | 70.5 | 3.7 | 5.4 | G | 40.6 | 14.0 |
| 341 | 268545 | F | 900 | 682 | 73.0 | 2.2 | 2.8 | G | 33.0 | 11.0 |
| 342 | 268564 | R | 858 | 598 | 63.5 | 1.2 | 6.3 | Pr | 38.1 | 11.0 |
| 343 | 268573 | F | 1431 | 1047 | 66.2 | 1.7 | 7.0 | G | 35.6 | 6.0 |
| 344 | 268577 | R | 818 | 603 | 67.1 | 0.5 | 6.6 | G | 35.6 | 11.0 |
| 345 | 268595 | R | 1553 | 1064* | 63.1 | 3.0 | 5.4 | G | 35.6 | 7.9 |
| 346 | 268595 | R | 1635 | 1122* | 64.4 | 4.4 | 4.2 | G | 33.0 | 14.0 |
| 347 | 268596 | R | 1431 | 1010* | 66.8 | 3.2 | 3.8 | G | 33.0 | 15.2 |
| 348 | 268598 | R | 940 | 631 | 67.9 | 0.6 | 4.5 | G | 38.1 | 18.4 |
| 349 | 268598 | R | 2085 | 1261 | 55.9 | 6.4 | 4.6 | G | 27.9 | 9.8 |
| 350 | 268598 | R | 1308 | 1006 | 69.8 | 3.2 | 7.1 | G | 38.1 | 15.2 |
| 351 | 268599 | F | 2494 | 1761 | 65.6 | 1.2 | 5.0 | G | 43.2 | 14.0 |
| 352 | 268601 | R | 1717 | 1221* | 65.2 | 2.8 | 5.9 | G | 33.0 | 15.2 |
| 353 | 268607 | R | 1676 | 1234 | 70.9 | 1.3 | 2.7 | G | 40.6 | 17.0 |
| 354 | 268609 | F&R | 1553 | 1115 | 68.6 | 1.8 | 3.2 | G | 40.6 | 19.0 |
| 355 | 268609 | F | 1635 | 1146 | 62.6 | 1.3 | 7.5 | Pr | 40.6 | 15.2 |
| 356 | 268611 | F&R | 1063 | 780 | 70.9 | 2.9 | 2.5 | G | 33.0 | 19.0 |
| 357 | 268611 | F | 1145 | 766 | 63.0 | 2.9 | 3.9 | G | 30.5 | 15.2 |
| 358 | 268615 | F | 1553 | 1064 | 64.0 | 4.0 | 4.5 | G | 35.6 | 14.0 |
| 359 | 268616 | F | 1226 | 874 | 67.1 | 2.1 | 4.2 | G | 35.6 | 12.8 |
| 360 | 268616 | F&R | 1145 | 823 | 61.5 | 0.3 | 10.4 | G | 35.6 | 15.8 |
| 361 | 268616 | F | 1226 | 861 | 59.3 | 1.2 | 10.9 | G | 35.6 | 15.2 |
| 362 | 268626 | F | 1390 | 954 | 57.1 | 1.3 | 11.5 | G | 33.0 | 15.2 |
| 363 | 268626 | F | 1104 | 830 | 71.1 | 4.9 | 4.1 | G | 33.0 | 15.2 |
| 364 | 268633 | F | 1226 | 907 | 66.3 | 1.8 | 7.7 | G | 35.6 | 15.2 |
| 365 | 268635 | F | 1063 | 783 | 70.9 | 2.9 | 2.8 | G | 33.0 | 18.4 |
| 366 | 268636 | F | 1022 | 750 | 71.6 | 2.9 | 1.8 | G | 35.6 | 17.7 |
| 367 | 268637 | F | 1553 | 1176 | 71.2 | 1.9 | 4.5 | G | 33.0 | 15.2 |
| 368 | 268637 | F | 1185 | 888 | 67.7 | 3.2 | 7.2 | G | 35.6 | 18.4 |
| 369 | 268637 | F | 1022 | 771 | 68.6 | 3.6 | 6.8 | G | 35.6 | 17.0 |
| 370 | 268644 | F | 1226 | 940 | 72.1 | 3.0 | 4.6 | G | 33.0 | 15.8 |
| 371 | 268644 | F | 1676 | 1277 | 72.1 | 2.6 | 4.1 | G | 38.1 | 15.2 |
| 372 | 268644 | F | 2289 | 1547 | 62.2 | 1.1 | 5.4 | G | 40.6 | 15.2 |
| 373 | 268647 | F | 1676 | 1244 | 67.2 | 1.1 | 7.0 | G | 35.6 | 15.8 |
| 374 | 268648 | F | 1390 | 1034 | 72.6 | 3.4 | 1.8 | G | 35.6 | 15.2 |
| 375 | 268649 | F | 1921 | 1408 | 67.8 | 2.2 | 5.5 | G | 40.6 | 15.2 |
| 376 | 268649 | F | 1308 | 989* | 70.0 | 3.5 | 5.6 | G | 43.2 | 15.8 |

TABLE II (Continued)

| Okla. P-No. | P.I. No. | Testa Color | Fruit Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Stem Color | Plant Ht. (cm) | Leaflet Area ($cm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 377 | 268654 | F | 981 | 738 | 71.8 | 1.9 | 3.4 | G | 30.5 | 16.5 |
| 378 | 268654 | F | 1226 | 878 | 67.9 | 2.5 | 3.7 | G | 33.0 | 16.5 |
| 379 | 268654 | F | 2126 | 1388 | 59.3 | 0.7 | 6.0 | G | 35.6 | 14.6 |
| 380 | 268657 | F | 1185 | 826 | 65.9 | 0.7 | 3.8 | G | 30.5 | 14.6 |
| 381 | 268660 | F | 1676 | 1083 | 51.5 | 1.5 | 13.1 | G | 35.6 | 15.8 |
| 382 | 268663 | R | 899 | 685 | 74.1 | 1.3 | 2.1 | G | 38.1 | 15.8 |
| 383 | 268680 | F | 1145 | 785 | 60.4 | 2.5 | 8.2 | G | 33.0 | 14.6 |
| 384 | 268680 | F | 1676 | 872 | 42.1 | 0.9 | 9.9 | G | 35.6 | 14.6 |
| 385 | 268684 | F | 1840 | 1236 | 59.5 | 1.2 | 7.7 | G | 33.0 | 14.6 |
| 386 | 268686 | F&R | 1513 | 1055 | 68.0 | 2.3 | 1.7 | G | 33.0 | 17.7 |
| 387 | 268688 | F | 1758 | 1213 | 63.1 | 2.4 | 5.9 | G | 33.0 | 14.0 |
| 388 | 268688 | F | 1635 | 1102 | 60.0 | 1.4 | 7.4 | G | 30.5 | 15.2 |
| 389 | 268689 | F | 1799 | 1232 | 63.4 | 1.1 | 5.1 | G | 33.0 | 13.4 |
| 390 | 268690 | F | 572 | 411 | 68.6 | 8.5 | 3.2 | G | 30.5 | 11.6 |
| 391 | 268690 | F | 2289 | 1502 | 58.1 | 1.4 | 7.5 | G | 38.1 | 12.2 |
| 392 | 268692 | F | 2167 | 1489 | 60.5 | 1.3 | 8.2 | G | 38.1 | 12.2 |
| 393 | 268692 | F | 1799 | 1333 | 66.4 | 0.7 | 7.7 | Pr | 40.6 | 18.4 |
| 394 | 268692 | F | 1758 | 1227 | 65.2 | 1.8 | 4.6 | G | 40.6 | 17.2 |
| 395 | 268701 | F&R | 1758 | 1238 | 65.7 | 1.5 | 4.7 | G | 40.6 | 18.4 |
| 396 | 268701 | F | 2085 | 1478 | 62.6 | 2.1 | 8.3 | G | 40.6 | 15.8 |
| 397 | 268703 | F | 1063 | 824 | 74.0 | 1.9 | 3.5 | G | 30.5 | 15.2 |
| 398 | 268704 | F | 1145 | 874 | 73.4 | 1.6 | 2.9 | G | 33.0 | 15.2 |
| 399 | 268704 | F | 1962 | 1415 | 67.8 | 0.5 | 4.3 | G | 33.0 | 15.2 |
| 400 | 268706 | F | 1635 | 1091 | 58.8 | 0.4 | 7.9 | G | 33.0 | 15.2 |
| 401 | 268707 | F | 1390 | 919 | 61.0 | 3.8 | 5.1 | G | 38.1 | 15.8 |
| 402 | 268708 | F | 1431 | 1056 | 68.2 | 1.8 | 5.6 | G | 35.6 | 15.2 |
| 403 | 268708 | F | 1799 | 1263 | 64.4 | 0.7 | 5.8 | G | 38.1 | 15.2 |
| 404 | 268708 | F | 1431 | 1068 | 70.6 | 2.8 | 4.0 | G | 33.0 | 15.2 |
| 405 | 268708 | F | 2167 | 1474 | 60.9 | 1.9 | 7.1 | G | 35.6 | 14.0 |
| 406 | 268710 | F | 1635 | 1094 | 63.2 | 3.9 | 3.7 | G | 38.1 | 15.8 |
| 407 | 268711 | F | 1758 | 1252 | 65.3 | 4.4 | 5.9 | G | 33.0 | 12.2 |
| 408 | 268711 | F | 1594 | 1132 | 65.7 | 2.1 | 5.3 | G | 33.0 | 14.6 |
| 409 | 268712 | F | 1635 | 1125 | 62.5 | 1.5 | 6.3 | G | 35.6 | 17.0 |
| 410 | 268716 | F | 1962 | 1389 | 64.8 | 1.6 | 6.0 | G | 35.6 | 15.2 |
| 411 | 268724 | F | 2371 | 1688 | 66.3 | 2.4 | 4.9 | G | 38.1 | 15.2 |
| 412 | 268724 | F | 2085 | 1464 | 64.2 | 2.9 | 6.0 | G | 35.6 | 15.2 |
| 413 | 268729 | F | 1921 | 1397 | 66.0 | 1.5 | 6.7 | G | 35.6 | 15.2 |
| 414 | 268729 | F | 1840 | 1376 | 70.1 | 1.9 | 4.7 | G | 35.6 | 15.2 |
| 415 | 268737 | F | 1594 | 1218 | 73.4 | 3.0 | 3.0 | G | 33.0 | 13.4 |
| 416 | 268739 | F | 1962 | 1442 | 67.3 | 1.9 | 6.2 | G | 35.6 | 14.6 |
| 417 | 268740 | F | 1104 | 857 | 64.8 | 1.3 | 12.8 | G | 33.0 | 13.4 |
| 418 | 268740 | F | 1635 | 1195 | 66.9 | 1.9 | 6.2 | G | 35.6 | 14.6 |
| 419 | 268740 | F | 1390 | 1027 | 71.6 | 0.1 | 2.3 | G | 33.0 | 17.7 |
| 420 | 268742 | F | 1431 | 957 | 53.7 | 1.4 | 13.2 | G | 35.6 | 13.4 |
| 421 | 268748 | F | 2044 | 1400 | 61.0 | 0.8 | 7.5 | G | 35.6 | 16.5 |
| 422 | 268749 | F | 1472 | 1073 | 66.4 | 1.7 | 6.5 | G | 33.0 | 12.2 |
| 423 | 268752 | F | 1267 | 936 | 68.3 | 2.9 | 5.3 | G | 38.1 | 15.2 |

TABLE II (Continued)

| Okla. P-No. | P.I. No. | Testa Color | Fruit Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Stem Color | Plant Ht. (cm) | Leaflet Area ($cm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 424 | 268758 | F | 1390 | 967 | 62.6 | 2.3 | 7.0 | G | 38.1 | 17.0 |
| 425 | 268759 | F | 1717 | 1221 | 63.3 | 2.3 | 7.8 | G | 35.6 | 14.6 |
| 426 | 268760 | F | 1349 | 989 | 69.8 | 5.7 | 3.5 | G | 38.1 | 14.0 |
| 427 | 268767 | F | 1758 | 1194 | 60.3 | 1.8 | 7.6 | G | 35.6 | 14.6 |
| 428 | 268769 | F | 1840 | 1227 | 60.2 | 5.4 | 6.5 | G | 33.0 | 15.2 |
| 429 | 268771 | F | 1717 | 1164* | 61.4 | 2.7 | 6.4 | G | 33.0 | 14.6 |
| 430 | 268777 | F | 2412 | 1655* | 57.5 | 3.5 | 11.1 | G | 30.5 | 13.4 |
| 431 | 268778 | F | 3434 | 2541* | 69.4 | 2.6 | 4.6 | G | 40.6 | 16.5 |
| 432 | 268787 | F | 2003 | 1438 | 62.8 | 1.8 | 9.0 | G | 33.0 | 12.2 |
| 433 | 268789 | F | 2167 | 1493 | 63.3 | 1.9 | 5.3 | G | 33.0 | 12.2 |
| 434 | 268789 | F | 2289 | 1515 | 57.0 | 2.8 | 9.2 | G | 33.0 | 12.2 |
| 435 | 268790 | F | 2085 | 1393 | 61.9 | 2.3 | 4.9 | G | 33.0 | 12.2 |
| 436 | 268795 | F | 2126 | 1571 | 67.7 | 2.5 | 6.2 | G | 33.0 | 15.2 |
| 437 | 268795 | F | 1594 | 1141 | 67.5 | 0.8 | 4.1 | G | 30.5 | 14.6 |
| 438 | 268801 | F | 1390 | 1072 | 74.5 | 1.7 | 2.6 | G | 38.1 | 12.2 |
| 439 | 268808 | F | 1635 | 1176 | 69.2 | 3.3 | 2.7 | G | 33.0 | 15.2 |
| 440 | 268811 | F | 1390 | 995 | 65.7 | 1.5 | 5.9 | G | 33.0 | 14.0 |
| 441 | 268812 | F | 1880 | 1369 | 67.6 | 4.1 | 5.3 | Pr | 38.1 | 15.8 |
| 442 | 268818 | F | 1431 | 1035 | 68.4 | 2.5 | 3.9 | G | 30.5 | 15.2 |
| 443 | 268821 | F | 1022 | 635 | 49.5 | 0.7 | 12.6 | G | 38.1 | 15.2 |
| 444 | 268822 | F | 1267 | 862 | 63.1 | 2.3 | 4.9 | G | 35.6 | 16.5 |
| 445 | 268823 | F | 2412 | 1638 | 60.5 | 2.1 | 7.4 | G | 33.0 | 12.8 |
| 446 | 268825 | F | 2126 | 1433 | 60.2 | 1.7 | 7.2 | G | 35.6 | 15.2 |
| 447 | 268826 | F | 1349 | 1002 | 72.6 | 1.2 | 1.7 | G | 27.9 | 15.2 |
| 448 | 268826 | F | 1758 | 1194 | 59.9 | 1.1 | 8.0 | G | 33.0 | 16.5 |
| 449 | 268827 | F | 1553 | 1143 | 66.7 | 2.8 | 6.9 | G | 33.0 | 15.2 |
| 450 | 268828 | F | 1308 | 974 | 68.5 | 4.0 | 6.0 | G | 33.0 | 14.6 |
| 451 | 268828 | F | 2739 | 1887 | 65.4 | 1.9 | 3.5 | Pr | 40.6 | 15.2 |
| 452 | 268828 | F | 2371 | 1669 | 63.4 | 1.3 | 7.0 | G | 33.0 | 16.5 |
| 453 | 268829 | F | 2248 | 1565 | 64.4 | 2.4 | 5.2 | G | 35.6 | 15.2 |
| 454 | 268830 | F | 1962 | 1389 | 67.7 | 1.5 | 3.1 | G | 35.6 | 15.8 |
| 455 | 268832 | F | - | - | 62.1 | 2.4 | 9.1 | G | 30.5 | 12.8 |
| 456 | 270773 | W | 2167 | 1460 | 61.9 | 2.2 | 5.5 | G | 40.6 | 18.4 |
| 457 | 270773 | W&F | 1676 | 1200 | 67.7 | 0.8 | 3.9 | G | 35.6 | 18.4 |
| 458 | 270784 | R&F | 1676 | 1292 | 71.3 | 1.6 | 5.8 | G | 40.6 | 18.4 |
| 459 | 270786 | Pr | 1717 | 1252 | 66.0 | 0.7 | 6.9 | G | 38.1 | 18.4 |
| 460 | 270789 | Pr | 1431 | 1036* | 67.5 | 0.8 | 4.9 | G | 38.1 | 17.0 |
| 461 | 270804 | F | 1921 | 1301 | 58.9 | 0.7 | 8.8 | G | 35.6 | 19.0 |
| 462 | 270804 | F | 1921 | 1322 | 60.6 | 1.2 | 8.2 | G | 38.1 | 17.0 |
| 463 | 270817 | F | 1431 | 1086 | 72.0 | 0.9 | 3.9 | G | 33.0 | 17.0 |
| 464 | 270838 | W/F/Pr | 2003 | 1306 | 59.2 | 1.0 | 6.0 | G | 38.1 | 17.0 |
| 465 | 270849 | F | 1758 | 1329 | 68.9 | 1.3 | 6.7 | G | 35.6 | 14.6 |
| 466 | 271021 | F | - | - | 62.8 | 2.2 | 5.3 | G | 35.6 | 16.5 |
| 467 | 271022 | F | 2453 | 1656 | 63.0 | 2.8 | 4.5 | G | 30.5 | 14.6 |
| 468 | 274267 | F | 1880 | 1271 | 57.2 | 1.3 | 10.4 | G | 33.0 | 16.5 |
| 469 | 261970 | Pr&F | 1390 | 1029 | 72.7 | 0.8 | 1.3 | G | 38.1 | 18.4 |
| 470 | 261989 | F | 1799 | 1279 | 57.8 | 1.6 | 13.3 | G | 35.6 | 20.2 |

TABLE II (Continued)

| Okla. P-No. | P.I. No. | Testa Color | Fruit Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Stem Color | Plant Ht. (cm) | Leaflet Area ($cm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 471 | 261997 | R&F | 2330 | 1773 | 70.3 | 0.3 | 5.8 | Pr | 43.2 | 17.0 |
| 472 | 261997 | R&F | 1472 | 1114 | 66.4 | 0.6 | 9.3 | Pr | 38.1 | 15.8 |
| 473 | - | F&R | 2085 | 1480 | 66.5 | 1.6 | 4.5 | G | 35.6 | 16.5 |
| 474 | - | F | 1840 | 1351 | 67.7 | 1.2 | 5.7 | G | 35.6 | 17.0 |
| 475 | - | F&R | 2044* | 1482 | 68.0 | 1.4 | 4.5 | G | 35.6 | 20.2 |
| 476 | 262012 | R | 1635 | 1216 | 66.3 | 0.8 | 8.1 | Pr | 43.2 | 19.0 |
| 477 | 262014 | F | 1063 | 826 | 72.5 | 0.3 | 5.2 | Pr | 35.6 | 16.5 |
| 478 | 262088 | R | 1308 | 940 | 61.2 | 1.2 | 10.5 | G | 35.6 | 15.2 |
| 479 | - | R&F | 1349 | 1027 | 69.7 | 2.7 | 6.4 | G | 38.1 | 18.4 |
| 480 | 262016 | F&R | 1431 | 1070 | 66.4 | 0.5 | 8.4 | Pr | 38.1 | 18.4 |
| 481 | 262101 | Pr | 1349 | 982 | 65.2 | 0.5 | 7.6 | G | 38.1 | 18.4 |
| 482 | 262019 | R | 1185 | 902 | 68.4 | 0.9 | 7.7 | Pr | 35.6 | 16.5 |
| 483 | 262020 | R | 1921 | 1347 | 62.6 | 2.3 | 7.5 | G | 33.0 | 16.5 |
| 484 | 262022 | R&F | 1145 | 862 | 61.2 | 1.2 | 14.1 | G | 33.0 | 17.0 |
| 485 | 262105 | R | 1226 | 911 | 68.5 | 1.4 | 5.8 | G | 38.1 | 18.4 |
| 486 | - | F | 2167 | 1532 | 64.6 | 1.0 | 6.1 | G | 38.1 | 17.0 |
| 487 | - | F | 1431 | 1053 | 70.4 | 1.1 | 3.2 | G | 33.0 | 18.4 |
| 488 | 262034 | R | 1308 | 957 | 62.4 | 1.3 | 10.8 | Pr | 38.1 | 17.0 |
| 489 | 262036 | R&F | 1553 | 1098 | 60.6 | 0.9 | 10.1 | Pr | 40.6 | 18.4 |
| 490 | 262037 | R&F | 1799 | 1304* | 63.7 | 0.7 | 8.8 | Pr | 43.2 | 15.2 |
| 491 | 262038 | R | 2044 | 1494 | 66.4 | 0.8 | 6.7 | Pr | 55.9 | 16.5 |
| 492 | 262040 | R/W/Pr | 1226 | 891 | 61.9 | 0.7 | 10.8 | Pr | 38.1 | 18.4 |
| 493 | 262087 | R | 1594 | 1186 | 62.6 | 1.2 | 11.8 | G | 35.6 | 18.4 |
| 494 | 262045 | F | 1390 | 1083 | 69.2 | 0.8 | 8.7 | Pr | 43.2 | 18.4 |
| 495 | 262046 | R&F | 1349 | 990 | 66.4 | 0.7 | 7.0 | Pr | 40.6 | 17.0 |
| 496 | 262050 | F&Pr | 1962 | 1440 | 66.7 | 0.7 | 6.7 | Pr | 40.6 | 17.0 |
| 497 | 262051 | F&R | 858 | 640 | 61.9 | 0.6 | 12.7 | Pr | 35.6 | 15.8 |
| 498 | 262052 | R&F | 1431 | 1052 | 64.6 | 0.2 | 8.9 | Pr | 40.6 | 15.8 |
| 499 | 262062 | R | 1267 | 938 | 64.4 | 0.3 | 9.6 | Pr | 38.1 | 15.2 |
| 500 | 262072 | No Plants | | | | | | | | |
| 501 | 262073 | R&F | 1267 | 927 | 71.3 | 0.1 | 1.9 | Pr | 35.6 | 15.8 |
| 502 | 262074 | R | 1390 | 1012 | 61.4 | 1.2 | 11.4 | Pr | 38.1 | 18.4 |
| 503 | 262075 | W | 1022 | 733 | 71.7 | 1.2 | 4.4 | G | 35.6 | 16.5 |
| 504 | 262076 | F | 1390 | 1033 | 67.5 | 1.0 | 6.8 | G | 35.6 | 15.8 |
| 505 | 262080 | R | 1349 | 966 | 60.8 | 0.8 | 10.8 | Pr | 33.0 | 18.4 |
| 506 | 274201 | R&F | 1267 | 916 | 64.5 | 1.2 | 7.8 | G | 35.6 | 19.6 |
| 507 | 261897 | R&F | 1226 | 900* | 68.4 | 1.6 | 5.0 | Pr | 38.1 | 17.0 |
| 508 | 261895 | R/F/Pr | 1349 | 962 | 62.5 | 0.5 | 8.8 | G | 35.6 | 20.2 |
| 509 | 261932 | F | 1676 | 1267 | 64.8 | 1.5 | 10.8 | G | 33.0 | 19.6 |
| 510 | 261934 | F | 1472 | 1172 | 74.0 | 1.6 | 5.6 | G | 38.1 | 16.5 |
| 511 | 261933 | F | 1921 | 1391 | 67.8 | 2.8 | 4.6 | Pr | 45.7 | 18.4 |
| 512 | 261935 | F | 2861 | 2243 | 67.8 | 1.2 | 10.6 | G | 43.2 | 16.5 |
| 513 | 261938 | R | 1226 | 954 | 54.9 | 0.7 | 22.9 | G | 38.1 | 18.4 |
| 514 | 261927 | Pr/R/F/W | 1594 | 1208 | 65.2 | 0.7 | 10.6 | G | 40.6 | 18.4 |
| 515 | 274203 | Pr/F | 1431 | 1093 | 66.7 | 0.5 | 9.7 | G | 40.6 | 19.6 |
| 516 | 261940 | R&F | 1676 | 1249 | 68.2 | 0.6 | 6.3 | G | 38.1 | 18.4 |
| 517 | 261951 | R/W/Pr | 1676 | 1170 | 63.0 | 1.0 | 6.8 | G | 43.2 | 20.2 |

TABLE II (Continued)

| Okla. P-No. | P.I. No. | Testa Color | Fruit Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Stem Color | Plant Ht. (cm) | Leaflet Area ($cm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 518 | 261952 | DkR/F/Pr | 1349 | 1025 | 72.4 | 0.3 | 3.6 | G | 38.1 | 17.0 |
| 519 | 261953 | DkR/F/Pr | 1308 | 984 | 69.8 | 0.8 | 5.4 | G | 38.1 | 15.2 |
| 520 | 261958 | R/F/Pr | 1635 | 1189 | 60.0 | 0.2 | 12.7 | G | 33.0 | 15.2 |
| 521 | 261968 | F&R | 1553 | 1115 | 59.6 | 0.2 | 12.2 | G | 33.6 | 16.5 |
| 522 | 261971 | F&Pr | 1349 | 1075 | 70.1 | 1.4 | 9.6 | G | 38.1 | 15.2 |
| 523 | 261974 | R | 1226 | 820 | 66.9 | 0.6 | 9.9 | G | 33.6 | 14.6 |
| 524 | 261977 | R/F/Pr | 1676 | 1255 | 67.4 | 0.6 | 7.5 | G | 38.1 | 12.8 |
| 525 | 261976 | R/F/Pr | 1431 | 1075 | 68.7 | 1.2 | 6.4 | G | 38.1 | 14.6 |
| 526 | 261977 | R/F/Pr | 1431 | 1035 | 66.3 | 1.0 | 6.0 | G | 38.1 | 16.5 |
| 527 | 261984 | R&F | 2126 | 1526 | 58.8 | 2.5 | 13.0 | G | 38.1 | 16.5 |
| 528 | 261985 | F | 1472 | 1111* | 65.2 | 2.0 | 10.3 | G | 27.9 | 14.0 |
| 529 | 261988 | Pr | 1962 | 1379 | 61.1 | 2.4 | 9.2 | G | 35.6 | 16.5 |
| 530 | 261994 | F | 1553 | 1101 | 59.5 | 0.8 | 11.4 | G | 33.0 | 17.0 |
| 531 | 261995 | DkR | 1594 | 1286 | 68.5 | 5.1 | 12.2 | G | 38.1 | 12.8 |
| 532 | 262001 | R | 2616 | 1870 | 67.1 | 2.4 | 4.4 | G | 48.3 | 18.4 |
| 533 | 262013 | F | 1758 | 1322 | 65.2 | 1.0 | 10.0 | G | 33.6 | 22.1 |
| 534 | 262025 | DkR | - | - | - | - | - | G | 38.1 | 17.0 |
| 535 | 262005 | R | - | - | - | - | - | G | 38.1 | 19.6 |
| 536 | 262097 | R | 1308 | 933 | 64.8 | 0.7 | 6.5 | G | 38.1 | 18.4 |
| 536 A | 262094 | F/Pr | 1145 | 830 | 63.7 | 1.0 | 8.8 | G | 33.6 | 21.5 |
| 537 | 262066 | R | 858 | 692 | 70.8 | 0.6 | 9.9 | Pr | 43.2 | 16.5 |
| 538 | 262059 | R | 940 | 692 | 62.2 | 0.3 | 10.5 | Pr | 38.1 | 14.6 |
| 539 | 261965 | F&Pr | 1472 | 1067 | 67.1 | 0.6 | 5.4 | G | 40.6 | 17.7 |
| 540 | 262100 | R | 1349 | 982 | 64.7 | 1.5 | 8.1 | Pr | 38.1 | 15.2 |
| 541 | 262104 | R&F | 1431 | 1030 | 65.7 | 0.5 | 6.3 | G | 30.5 | 18.4 |
| 542 | 261969 | Pr&F | 1390 | 1102 | 72.0 | 2.9 | 7.3 | G | 33.0 | 17.7 |
| 543 | 248755 | F | 1880 | 1307 | 60.5 | 3.9 | 9.0 | G | 33.0 | 11.0 |
| 544 | 248756 | F | 1553 | 1090 | 63.5 | 2.8 | 6.7 | G | 33.0 | 12.2 |
| 545 | 262087 | F&R | 1390 | 1066 | 66.1 | 1.2 | 10.6 | Pr | 35.6 | 15.2 |
| 546 | 248757 | F | 2371 | 1581 | 60.0 | 2.4 | 6.7 | G | 30.5 | 17.6 |
| 547 | 248758 | F | 2207 | 1540 | 64.5 | 2.6 | 5.3 | G | 30.5 | 13.4 |
| 548 | 248759 | F | 1921 | 1366 | 64.8 | 1.2 | 6.3 | G | 33.0 | 14.6 |
| 549 | 248760 | F | 2085 | 1472 | 63.6 | 1.1 | 7.0 | G | 33.0 | 14.6 |
| 550 | 248761 | F | 2044 | 1447 | 61.8 | 1.4 | 9.0 | G | 35.6 | 16.5 |
| 551 | 248762 A | F | 2207 | 1578 | 63.9 | 1.1 | 7.6 | G | 35.6 | 16.5 |
| 552 | 248763 | F | 3924 | 2892 | 68.9 | 1.2 | 4.8 | G | 53.3 | 18.4 |
| 553 | 248766 | F | 899 | 609 | 67.7 | 1.0 | 6.0 | G | 33.0 | 19.6 |
| 554 | 248767 | F | 2003 | 1498 | 70.3 | 2.8 | 4.5 | G | 35.6 | 17.0 |
| 555 | 248768 | F | 1635 | 1218 | 71.1 | 0.9 | 5.4 | G | 33.0 | 16.5 |
| 556 | 248768 | R | 1185 | 871 | 67.2 | 0.8 | 6.3 | Pr | 38.1 | 17.7 |
| 557 | 247378 | F | 1717 | 1271 | 67.5 | 0.8 | 6.5 | G | 35.6 | 15.2 |
| 558 | 240546 | R&F | 1145 | 889 | 68.5 | 0.6 | 9.1 | Pr | 35.6 | 15.2 |
| 559 | 240555 | F | 1553 | 941 | 70.2 | 2.0 | 5.4 | G | 30.5 | 15.2 |
| 560 | 240561 | Pr | 1513 | 1139 | 72.4 | 0.2 | 2.9 | G | 33.0 | 19.0 |
| 561 | 240572 | F | 2003 | 1500 | 70.2 | 0.5 | 4.7 | G | 33.0 | 14.6 |
| 562 | 240578 | F | 2207 | 1503 | 59.8 | 1.2 | 8.3 | G | 35.6 | 18.4 |
| 563 | 240579 | R&F | 1390 | 1023 | 67.5 | 0.7 | 6.1 | G | 35.6 | 17.7 |

TABLE II (Continued)

| Okla. P-No. | P.I. No. | Testa Color | Fruit Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Stem Color | Plant Ht. (cm) | Leaflet Area ($cm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 564 | 268592 | Pr | 1553 | 1185 | 66.2 | 0.8 | 10.1 | G | 33.0 | 14.6 |
| 565 | 268597 | R&F | 2044 | 1427 | 63.1 | 2.7 | 6.7 | G | 30.5 | 15.2 |
| 566 | 268600 | Pr | 1880 | 1261 | 58.9 | 0.7 | 8.2 | G | 43.2 | 13.4 |
| 567 | 268601 | R | 2780 | 2127 | 72.1 | 3.9 | 4.2 | G | 33.0 | 20.2 |
| 568 | 268604 | F | 1431 | 1016 | 58.9 | 2.1 | 12.1 | G | 35.6 | 15.2 |
| 569 | 268613 | F | 1390 | 1052 | 70.0 | 4.1 | 5.7 | G | 38.1 | 17.0 |
| 570 | 268614 | F | 2044 | 1504 | 68.7 | 1.0 | 4.9 | G | 30.5 | 16.5 |
| 571 | 268615 | F | 940 | 660 | 70.3 | 1.8 | 4.6 | G | 35.6 | 18.4 |
| 572 | 268618 | F | 2453 | 1798 | 69.0 | 4.5 | 4.3 | G | 45.7 | 17.7 |
| 573 | 268620 | F | 1226 | 877 | 65.9 | 1.8 | 5.6 | G | 33.0 | 18.4 |
| 574 | 268623 | F | 858 | 535 | 62.3 | 1.7 | 7.8 | G | 35.6 | 18.4 |
| 575 | 268624 | F | 1145 | 807 | 61.6 | 0.8 | 8.9 | G | 40.6 | 19.6 |
| 576 | 268625 | F | 1104 | 795 | 65.0 | 2.4 | 7.0 | G | 38.1 | 15.2 |
| 577 | 268626 | F&R | 2780 | 1899 | 63.4 | 2.2 | 4.9 | G | 30.5 | 15.2 |
| 578 | 268627 | F | 1104 | 840 | 74.4 | 2.5 | 1.7 | G | 30.5 | 18.4 |
| 579 | 268628 | F | 1226 | 940 | 74.0 | 3.8 | 2.7 | G | 33.0 | 15.8 |
| 580 | 268629 | F | 1431 | 1089 | 72.5 | 3.3 | 3.6 | G | 35.6 | 15.2 |
| 581 | 268630 | F | 1104 | 851 | 73.3 | 2.4 | 2.8 | G | 33.0 | 17.0 |
| 582 | 268631 | F | 1431 | 1112 | 74.9 | 3.5 | 2.8 | G | 35.6 | 17.7 |
| 583 | 268633 | F | 1758 | 1188 | 60.0 | 1.2 | 7.6 | G | 35.6 | 16.5 |
| 584 | 268634 | F | 1390 | 1055 | 71.6 | 4.8 | 4.3 | G | 35.6 | 15.8 |
| 585 | 268635 | F | 1472 | 1114 | 72.2 | 5.0 | 3.5 | G | 30.5 | 16.5 |
| 586 | 268636 | F | 1513 | 1124 | 70.9 | 4.2 | 3.4 | G | 35.6 | 16.5 |
| 587 | 268637 | F | 2207 | 1532 | 62.8 | 1.8 | 6.6 | G | 35.6 | 15.2 |
| 588 | 268638 | F | 1717 | 1272 | 70.4 | 0.8 | 3.7 | G | 33.0 | 16.5 |
| 589 | 268641 | F | 1553 | 1173 | 66.1 | 1.5 | 9.4 | G | 33.0 | 15.2 |
| 590 | 268642 | F | 1594 | 1221 | 72.7 | 3.0 | 3.9 | G | 33.0 | 16.5 |
| 591 | 268646 | F | 1513 | 1170 | 74.2 | 3.0 | 3.1 | G | 33.0 | 18.4 |
| 592 | 268647 | F | 2861 | 2180 | 71.9 | 4.1 | 4.3 | G | 43.2 | 14.6 |
| 593 | 268649 | F | 1717 | 1197 | 63.5 | 2.7 | 6.2 | G | 33.0 | 13.4 |
| 594 | 268654 | F | 1594 | 1191 | 70.7 | 4.5 | 4.0 | G | 40 6 | 17.0 |
| 595 | 268657 | F | 1921 | 1370 | 63.0 | 2.7 | 8.3 | G | 27.9 | 12.8 |
| 596 | 268664 | R | 1185 | 907 | 72.1 | 3.9 | 4.4 | G | 38.1 | 19.6 |
| 597 | 268665 | Pr | 940 | 713 | 69.6 | 2.2 | 6.3 | G | 30.5 | 17.7 |
| 598 | 268666 | R | 1063 | 842 | 75.6 | 4.8 | 3.6 | G | 35.6 | 17.7 |
| 599 | 268667 | R | 1022 | 796 | 74.0 | 3.8 | 3.9 | G | 33.0 | 18.4 |
| 600 | 268668 | R&F | 1145 | 882 | 71.9 | 2.7 | 5.1 | G | 35.6 | 16.5 |
| 601 | 268669 | R | 1513 | 1150 | 70.7 | 1.8 | 5.3 | G | 38.1 | 15.8 |
| 602 | 268669 | R | 409 | 264 | 51.2 | 2.8 | 13.4 | - | - | 21.5 |
| 603 | 268670 | R&F | 1472 | 1117 | 72.2 | 3.5 | 3.7 | G | 40.6 | 17.7 |
| 604 | 268672 | R&F | 1349 | 997 | 68.6 | 2.1 | 5.3 | G | 40.6 | 19.6 |
| 605 | 268673 | R | 1308 | 991 | 70.0 | 3.6 | 5.8 | G | 38.1 | 17.0 |
| 606 | 268674 | R | 1717 | 1326 | 68.0 | 0.1 | 9.2 | G | 38.1 | 15.2 |
| 607 | 268675 | R&F | 1226 | 946 | 71.7 | 3.6 | 5.5 | G | 38.1 | 16.5 |
| 608 | 268676 | R&F | 1656 | 1266 | 72.1 | 3.0 | 4.4 | G | 40.6 | 17.7 |
| 609 | 268677 | W | 2575 | 1759 | 63.0 | 0.6 | 4.9 | G | 33.0 | 15.8 |
| 610 | 268678 | W | 2289 | 1927 | 60.2 | 0.5 | 6.5 | G | 30.5 | 16.5 |

TABLE II (Continued)

| Okla. P-No. | P.I. No. | Testa Color | Fruit Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Stem Color | Plant Ht. (cm) | Leaflet Area ($cm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 611 | 268679 | W | 2330 | 1554 | 61.4 | 0.7 | 5.3 | G | 33.0 | 16.5 |
| 612 | 268683 | F | 940 | 688 | 70.0 | 7.4 | 3.2 | G | 27.9 | 12.8 |
| 613 | 268685 | F | 1676 | 1210 | 67.6 | 1.5 | 4.6 | | 33.0 | 15.2 |
| 614 | 268686 | F | 3475 | 2401 | 66.1 | 2.4 | 3.0 | G | 40.6 | 12.8 |
| 615 | 268690 | F | 2044 | 1457 | 64.4 | 0.9 | 6.9 | G | 35.6 | 15.8 |
| 616 | 268695 | F | 1840 | 1380 | 66.3 | 1.1 | 8.7 | | 33.0 | 18.4 |
| 617 | 268696 | F | 1676 | 1215 | 65.1 | 1.0 | 7.4 | G | 33.0 | 16.5 |
| 618 | 268697 | F&R | 1921 | 1398 | 64.8 | 1.1 | 8.0 | G | 35.6 | 15.2 |
| 619 | 268698 | F | 2003 | 1472 | 66.9 | 1.1 | 6.6 | G | 33.0 | 15.2 |
| 620 | 268699 | F | 1553 | 1143 | 66.7 | 1.2 | 6.9 | G | 33.0 | 17.7 |
| 621 | 268700 | F | 1472 | 1041 | 64.8 | 1.7 | 5.9 | G | 33.0 | 13.4 |
| 622 | 268701 | F | 1921 | 1375 | 66.4 | 2.1 | 5.2 | G | 33.0 | 13.4 |
| 623 | 268702 | F&R | 1676 | 1195 | 66.7 | 1.5 | 4.6 | G | 33.0 | 17.7 |
| 624 | 268703 | F | 2330 | 1638 | 64.9 | 1.2 | 5.4 | G | 38.1 | 15.2 |
| 625 | 268703 | F | 1635 | 1218 | 67.4 | 1.6 | 7.1 | G | 35.6 | 13.4 |
| 626 | 268704 | F | 1758 | 1278 | 66.8 | 1.5 | 5.9 | G | 35.6 | 15.8 |
| 627 | 268706 | F | 1880 | 1305 | 61.9 | 2.3 | 7.5 | G | 35.6 | 15.2 |
| 628 | 268707 | F&R | 1880 | 1333 | 65.2 | 2.0 | 5.7 | G | 35.6 | 15.2 |
| 629 | 268708 | F | 1594 | 1189 | 70.3 | 2.6 | 4.3 | G | 38.1 | 17.0 |
| 630 | 268709 | F | 2248 | 1576 | 61.8 | 1.8 | 8.3 | G | 38.1 | 15.2 |
| 631 | 268710 | F | 1840 | 1301 | 65.0 | 2.2 | 5.7 | G | 33.0 | 15.8 |
| 632 | 268711 | F | 2085 | 1524 | 65.9 | 1.5 | 7.2 | G | 35.6 | 14.6 |
| 633 | 268712 | F | 1840 | 1259 | 59.3 | 1.2 | 9.1 | G | 35.6 | 16.5 |
| 634 | 268713 | F | 3843 | 2625 | 63.2 | 2.1 | 5.1 | G | 50.8 | 15.2 |
| 635 | 268714 | F | 1676 | 1217 | 64.2 | 1.3 | 8.4 | G | 35.6 | 17.7 |
| 636 | 268715 | F | 2085 | 1495 | 66.7 | 1.5 | 5.0 | G | 35.6 | 15.8 |
| 637 | 268716 | F | 2085 | 1493 | 69.0 | 2.7 | 2.6 | G | 33.0 | 15.2 |
| 638 | 268717 | F | 1799 | 1266 | 63.2 | 1.3 | 7.2 | G | 33.0 | 15.2 |
| 639 | 268718 | F | 2085 | 1474 | 63.4 | 0.7 | 7.3 | G | 35.6 | 15.8 |
| 640 | 268719 | F | 1308 | 968 | 66.3 | 0.9 | 7.7 | G | 30.5 | 15.2 |
| 641 | 268720 | F | 1717 | 1243 | 65.6 | 1.7 | 6.8 | G | 30.5 | 16.5 |
| 642 | 268721 | F | 2207 | 1510 | 64.7 | 2.9 | 3.7 | G | 27.9 | 12.2 |
| 643 | 268721 | F | 2902 | 1933 | 62.2 | 1.2 | 4.4 | G | 38.1 | 15.8 |
| 644 | 268722 | F | 2657 | 1833 | 63.3 | 0.7 | 5.7 | G | 33.0 | 15.2 |
| 645 | 268723 | F | 1758 | 1248 | 62.2 | 1.3 | 8.8 | G | 48.3 | 15.2 |
| 646 | 268723 | F | 940 | 696 | 66.9 | 2.4 | 7.1 | G | 33.0 | 12.8 |
| 647 | 268724 | F | 2126 | 1490 | 64.9 | 2.4 | 5.2 | G | 33.0 | 15.2 |
| 648 | 268725 | F | 2207 | 1518 | 62.9 | 2.7 | 5.9 | G | 33.0 | 13.4 |
| 649 | 268726 | F | 2248 | 1589 | 65.5 | 1.9 | 5.2 | G | 35.6 | 15.2 |
| 650 | 268727 | F | 1880 | 1284 | 60.9 | 1.6 | 7.4 | G | 35.6 | 15.2 |
| 651 | 268728 | F | 2044 | - | - | - | - | G | 35.6 | 14.6 |
| 652 | 268729 | F | 1717 | 1190 | 62.6 | 1.0 | 6.7 | G | 35.6 | 14.6 |
| 653 | 268730 | F | 2330 | 1594 | 59.0 | 1.5 | 9.4 | G | 35.6 | 15.2 |
| 654 | 268732 | F | 2821 | 2099 | 69.7 | 2.9 | 4.7 | G | 48.3 | 13.4 |
| 655 | 268733 | F | 2126 | 1467 | 59.9 | 1.0 | 9.1 | G | 35.6 | 15.2 |
| 656 | 268734 | F | 1962 | 1450 | 67.6 | 1.6 | 6.3 | G | 33.0 | 15.2 |
| 657 | 268735 | F | 1676 | 1227 | 66.9 | 1.6 | 6.3 | G | 33.0 | 15.8 |

TABLE II (Continued)

| Okla. P-No. | P.I. No. | Testa Color | Fruit Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Stem Color | Plant Ht. (cm) | Leaflet Area ($cm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 658 | 268736 | F | 1880 | 1395 | 69.3 | 1.2 | 4.9 | G | 35.6 | 15.2 |
| 659 | 268737 | F | 1921 | 1367 | 65.1 | 1.7 | 6.0 | G | 35.6 | 18.4 |
| 660 | 268738 | F | 1267 | 964 | 69.3 | 1.3 | 6.8 | G | 35.6 | 15.8 |
| 661 | 268739 | F | 1431 | 1073 | 68.4 | 1.0 | 6.6 | G | 33.0 | 16.5 |
| 662 | 268739 | F | 1799 | 1326 | 67.3 | 1.0 | 6.4 | G | 33.0 | 15.2 |
| 663 | 268741 | F | 2371 | 1627 | 61.3 | 1.5 | 7.3 | G | 38.1 | 16.5 |
| 664 | 268742 | F | 2085 | 1499 | 65.2 | 1.0 | 6.7 | G | 33.0 | 16.5 |
| 665 | 268743 | F | 1758 | 1304 | 67.8 | 1.8 | 6.4 | G | 35.6 | 19.6 |
| 666 | 268743 | F | 1717 | 1243 | 65.7 | 2.4 | 6.7 | G | 33.0 | 18.4 |
| 667 | 268744 | F | 2310 | 1504 | 60.0 | 0.8 | 5.3 | G | 35.6 | 16.5 |
| 668 | 268745 | F | 1308 | 815 | 51.4 | 3.5 | 10.9 | - | - | 17.0 |
| 669 | 268746 | F | 2330 | 1568 | 58.7 | 0.8 | 8.6 | G | 35.6 | 19.6 |
| 670 | 268747 | F | 1308 | 833 | 53.6 | 1.5 | 10.1 | - | - | 19.6 |
| 671 | 268747 | F | 2044 | 1466 | 67.9 | 1.8 | 3.8 | G | 35.6 | 21.5 |
| 672 | 268748 | F | 1921 | 1274 | 59.6 | 1.8 | 6.7 | G | 33.0 | 19.6 |
| 673 | 268748 | F | 1799 | 1261 | 62.7 | 1.5 | 7.4 | G | 35.6 | 19.6 |
| 674 | 268751 | W&R | 1390 | 785 | 47.3 | 2.9 | 9.2 | - | - | 14.0 |
| 675 | 268753 | F | 2534 | 1698 | 61.2 | 1.4 | 5.8 | G | 35.6 | 21.5 |
| 676 | 268754 | F | 1962 | 1330 | 58.6 | 1.7 | 9.2 | G | 38.1 | 22.7 |
| 677 | 268757 | F | 1880 | 1203 | 58.8 | 9.1 | 5.2 | - | - | 15.8 |
| 678 | 268761 | F | 3924 | 2766 | 66.4 | 2.4 | 4.1 | G | 48.3 | 20.8 |
| 679 | 268762 | F | 1676 | 1213 | 68.5 | 3.6 | 3.9 | G | 35.6 | 21.5 |
| 680 | 268763 | F | 2453 | 1705 | 66.2 | 2.2 | 3.3 | G | 35.6 | 20.8 |
| 681 | 268764 | F | 1921 | 1287 | 61.6 | 1.5 | 5.4 | G | 33.0 | 20.8 |
| 682 | 268765 | F | 2248 | 1576 | 62.3 | 5.5 | 7.8 | G | 35.6 | 17.7 |
| 683 | 268766 | F | 2289 | 1632 | 65.5 | 2.2 | 5.8 | G | 35.6 | 14.6 |
| 684 | - | F | 1390 | 1034 | 68.3 | 1.1 | 6.1 | G | 33.0 | 17.7 |
| 685 | 268769 | F | 1390 | 1024 | 67.3 | 1.6 | 6.4 | G | 33.0 | 17.7 |
| 686 | 268770 | F | 1962 | 1395 | 66.7 | 2.8 | 4.4 | G | 30.5 | 17.0 |
| 687 | 268771 | F | 2412 | 1746 | 67.8 | 1.3 | 4.6 | G | 35.6 | 15.2 |
| 688 | 268772 | F | 2494 | 1691 | 63.3 | 1.8 | 4.5 | G | 35.6 | 15.8 |
| 689 | 268772 | F | 1880 | 1331 | 64.3 | 1.8 | 6.5 | G | 35.6 | 17.7 |
| 690 | 268773 | F | 1880 | 1339 | 66.0 | 4.8 | 5.2 | G | 35.6 | 17.0 |
| 691 | 268773 | F | 2126 | 1465 | 65.0 | 2.1 | 3.9 | G | 35.6 | 15.2 |
| 692 | 268774 | F | 2167 | 1489 | 62.3 | 4.0 | 6.4 | G | 33.0 | 15.2 |
| 693 | 268774 | F | 2657 | 1817 | 62.4 | 3.6 | 6.0 | G | 33.0 | 15.8 |
| 694 | 268776 | F | 2003 | 1454 | 67.3 | 2.3 | 5.3 | G | 33.0 | 19.0 |
| 695 | 268777 | F | 1717 | 1181 | 58.6 | 5.1 | 10.2 | G | 33.0 | 14.6 |
| 696 | 268778 | F | 2085 | 1485 | 62.5 | 3.4 | 8.7 | G | 33.0 | 15.2 |
| 697 | 268781 | F | 1799 | 1261 | 62.2 | 1.6 | 7.9 | G | 38.1 | 16.5 |
| 698 | 268782 | F | 3270 | 2289 | 66.6 | 3.6 | 3.4 | G | 50.8 | 17.0 |
| 699 | 268783 | F | 1758 | 1248 | 65.4 | 1.4 | 5.6 | G | 33.0 | 18.4 |
| 700 | 268784 | F | 2044 | 1547 | 71.9 | 2.0 | 2.8 | G | 35.6 | 18.4 |
| 701 | 268785 | F | 2044 | 1398 | 63.0 | 2.0 | 5.4 | G | 35.6 | 17.0 |
| 702 | 268786 | F | 1921 | 1379 | 64.8 | 1.6 | 7.0 | G | 33.0 | 18.4 |
| 703 | 268786 | F | 2330 | 1671 | 66.9 | 2.3 | 4.8 | G | 33.0 | 18.4 |
| 704 | 268787 | F | 1840 | 1312 | 66.3 | 1.7 | 5.0 | G | 33.0 | 17.7 |

TABLE II (Continued)

| Okla. P-No. | P.I. No. | Testa Color | Fruit Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Stem Color | Plant Ht. (cm) | Leaflet Area ($cm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 705 | 268790 | F | 1717 | 1262 | 69.9 | 3.1 | 3.6 | G | 35.6 | 15.2 |
| 706 | 268791 | F | 1635 | 1195 | 69.3 | 1.7 | 3.8 | G | 33.0 | 15.8 |
| 707 | 268791 | F | 2248 | 1565 | 66.1 | 1.2 | 3.5 | G | 35.6 | 19.6 |
| 708 | 268792 | F | 2330 | - | - | - | - | G | 33.0 | 15.8 |
| 709 | 268792 | F | 1594 | 1122 | 65.7 | 3.3 | 4.7 | G | 30.5 | 15.2 |
| 710 | 268793 | F | 1880 | 1303 | 64.9 | 2.3 | 4.4 | G | 30.5 | 15.8 |
| 711 | 268794 | F | 1676 | 1200 | 67.2 | 2.5 | 4.4 | G | 33.0 | 16.5 |
| 712 | 268795 | F | 1799 | 1238 | 63.2 | 2.9 | 5.6 | G | 30.5 | 18.4 |
| 713 | 268796 | F | 1758 | 1294 | 68.1 | 2.6 | 5.5 | G | 33.0 | 15.2 |
| 714 | 268796 | F | 1880 | 1371 | 68.1 | 1.2 | 4.8 | G | 33.0 | 17.7 |
| 715 | 268797 | F | 1921 | 1420 | 68.9 | 2.3 | 5.0 | G | 30.5 | 17.0 |
| 716 | 268798 | F | 1962 | 1328 | 59.2 | 7.6 | 8.5 | G | 30.5 | 14.0 |
| 717 | 268799 | F | 1799 | 1261 | 64.5 | 2.8 | 5.6 | G | 35.6 | 16.5 |
| 718 | 268800 | F | 3556 | 2475 | 65.6 | 3.5 | 4.0 | G | 48.3 | 17.7 |
| 719 | 268801 | F | 1758 | 1280 | 65.1 | 2.5 | 7.7 | G | 33.0 | 14.6 |
| 720 | 268802 | F | 2003 | 1392 | 66.4 | 2.7 | 3.1 | G | 38.1 | 20.2 |
| 721 | 268802 | F | 1676 | 1188 | 68.3 | 3.2 | 2.6 | G | 38.1 | 21.5 |
| 722 | 268803 | F | 1717 | 1236 | 65.5 | 1.8 | 6.5 | G | 35.6 | 18.4 |
| 723 | 268804 | F | 2248 | 1589 | 65.2 | 1.9 | 5.5 | G | 30.5 | 15.8 |
| 724 | 268805 | F | 1717 | 1281 | 68.2 | 3.1 | 6.4 | G | 33.0 | 14.0 |
| 725 | 268806 | F | 1635 | 1220 | 69.3 | 0.7 | 5.3 | G | 33.0 | 17.0 |
| 726 | 268807 | F | 1758 | 1229 | 66.0 | 1.4 | 3.9 | G | 30.5 | 15.2 |
| 727 | 268808 | F | 2126 | 1490 | 63.7 | 2.6 | 6.4 | G | 35.6 | 14.6 |
| 728 | 268809 | F | 2248 | 1567 | 65.1 | 1.1 | 4.6 | G | 35.6 | 16.5 |
| 729 | 268811 | F | 1758 | 1292 | 66.7 | 2.1 | 6.8 | G | 35.6 | 17.0 |
| 730 | 268811 | F | 1431 | 1053 | 67.1 | 2.6 | 6.5 | G | 33.0 | 19.0 |
| 731 | 268812 | F | 1880 | 1314 | 62.4 | 6.0 | 7.5 | G | 35.6 | 13.4 |
| 732 | 268814 | F | 1717 | 1046 | 54.2 | 4.0 | 6.7 | - | - | 18.4 |
| 733 | 268815 | F | 1758 | 1252 | 66.5 | 2.4 | 4.7 | G | 35.6 | 17.0 |
| 734 | 268816 | F | 1226 | 907 | 71.5 | 2.8 | 2.5 | G | 33.0 | 18.4 |
| 735 | 268817 | F | 1758 | 1222 | 61.1 | 1.5 | 8.4 | G | 30.5 | 19.0 |
| 736 | 268818 | F | 2207 | 1538 | 65.1 | 2.0 | 4.6 | G | 30.5 | 15.2 |
| 737 | 268819 | F | 1104 | 910 | 67.8 | 1.2 | 3.7 | G | 38.1 | 21.5 |
| 738 | 268820 | F | 2003 | 1448 | 66.4 | 1.4 | 5.9 | G | 38.1 | 15.2 |
| 739 | 268821 | F | 2575 | 1573 | 54.1 | 1.5 | 7.0 | G | 45.7 | 18.4 |
| 740 | 268822 | F | 1676 | 1198 | 66.4 | 2.1 | 5.3 | G | 30.5 | 21.5 |
| 741 | 268823 | F | 1553 | 1087 | 67.3 | 2.6 | 2.7 | G | 33.0 | 16.5 |
| 742 | 268824 | F | 2003 | 1705 | 65.7 | 1.6 | 4.6 | G | 38.1 | 16.5 |
| 743 | 268825 | F | 1840 | 1334 | 68.2 | 1.3 | 4.3 | G | 38.1 | 16.5 |
| 744 | 268826 | F | 2167 | 1530 | 63.1 | 4.2 | 7.5 | G | 33.0 | 12.2 |
| 745 | 268827 | F | 1594 | 1172 | 70.4 | 1.6 | 3.1 | G | 30.5 | 19.0 |
| 746 | 268828 | F | 1594 | 1172 | 68.2 | 2.0 | 5.3 | G | 33.0 | 15.2 |
| 747 | 268830 | F | 1635 | 1145 | 60.9 | 1.3 | 9.1 | G | 27.9 | 15.2 |
| 748 | 268831 | F | 2616 | 1719 | 61.2 | 1.0 | 4.5 | G | 33.0 | 16.5 |
| 749 | 268832 | F | 2044 | 1478 | 70.2 | 1.3 | 2.1 | G | 35.6 | 15.8 |
| 750 | 268833 | F | 1553 | 1141 | 69.6 | 2.8 | 3.9 | G | 33.0 | 13.4 |
| 751 | 268834 | F | 1717 | 1238 | 68.0 | 2.6 | 4.1 | G | 33.0 | 14.6 |
| 752 | 268835 | F | 2126 | 1520 | 67.2 | 2.0 | 4.3 | G | 33.0 | 15.2 |

TABLE II (Continued)

| Okla. P-No. | P.I. No. | Testa Color | Fruit Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Stem Color | Plant Ht. (cm) | Leaflet Area ($cm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 753 | 270768 | R&F | 1758 | 1297 | 68.1 | 1.1 | 5.7 | G | 38.1 | 16.5 |
| 754 | 270776 | F | 2003 | 1442 | 67.4 | 3.5 | 4.6 | G | 33.0 | 15.2 |
| 755 | 270778 | R | 1472 | 1110 | 67.2 | 0.7 | 8.2 | G | 38.1 | 15.8 |
| 756 | 270784 | R | 1758 | 1357 | 71.6 | 0.6 | 5.6 | G | 40.6 | 15.2 |
| 806 | 261946 | Dk Pr | 1349 | 982 | 64.2 | 0.4 | 8.6 | G | 48.3 | 15.8 |
| 807 | 261954 | Dk Pr | 1840 | 1351 | 68.6 | 1.2 | 4.8 | G | 48.3 | 17.0 |
| 808 | 261955 | R | 3229 | 2280 | 66.8 | 4.6 | 3.8 | G | 55.9 | 18.4 |
| 809 | 261957 | Pr | 1799 | 1342 | 68.8 | 1.3 | 5.8 | G | 43.2 | 20.8 |
| 810 | 262000 | F | 2453 | 1732 | 66.7 | 2.3 | 3.9 | G | 38.1 | 17.7 |
| 811 | 261956 | R | 1635 | 1252 | 72.3 | 1.2 | 4.3 | G | 35.6 | 17.0 |
| 812 | 261959 | Pr | 1349 | 1005 | 69.1 | 2.7 | 5.4 | G | 40.6 | 19.0 |
| 813 | 261978 | Pr | 1145 | 842 | 66.2 | 3.0 | 7.3 | G | 43.2 | 19.6 |
| 814 | 262004 | R | 1022 | 761 | 68.0 | 0.7 | 6.5 | Pr | 35.6 | 18.4 |
| 815 | 261962 | Pr | 1472 | 1063 | 68.1 | 1.6 | 4.1 | G | 45.7 | 15.2 |
| 816 | 262048 | F | 1553 | 1132 | 66.5 | 2.1 | 6.4 | G | 35.6 | 15.2 |
| 817 | 262068 | F | 1717 | 1176 | 59.5 | 0.9 | 9.0 | G | 38.1 | 15.2 |
| 818 | 262057 | F | 1390 | 973 | 67.0 | 1.5 | 3.0 | G | 30.5 | 15.8 |
| 819 | 262099 | R&Pr | 1104 | 829 | 72.9 | 3.0 | 2.2 | Pr | 38.1 | 18.4 |
| 820 | 262095 | R | 1185 | 863 | 66.1 | 2.2 | 6.7 | G | 38.1 | 15.8 |
| 821 | 262098 | Pr | 1962 | 1379 | 61.8 | 1.5 | 8.5 | G | 38.1 | 16.5 |
| 822 | 248762 B | F | 2085 | 1451 | 64.1 | 2.7 | 5.5 | G | 38.1 | 15.2 |
| 823 | 247374 | F | 1635 | 1197 | 69.9 | 7.3 | 3.3 | G | 38.1 | 20.2 |
| 824 | 247375 | F&Pr | 1553 | 1146 | 71.2 | 2.3 | 2.6 | G | 38.1 | 18.4 |
| 825 | 240543 | Pr | 1635 | 1213 | 68.0 | 1.0 | 6.2 | G | 30.5 | 18.4 |
| 826 | 240570 | F | 2085 | 1468 | 63.5 | 0.8 | 6.9 | G | 38.1 | 14.6 |
| 827 | 269710 | F | 1799 | 1284 | 63.6 | 1.7 | 7.8 | G | 33.0 | 12.2 |
| 828 | 269719 | F | 3311 | 2265 | 63.8 | 4.7 | 4.6 | G | 43.2 | 15.8 |
| 829 | 268591 | Pr&F | 1635 | 1215 | 68.2 | 1.0 | 6.1 | G | 38.1 | 18.4 |
| 830 | 268593 | R | 1676 | 1253 | 71.4 | 2.7 | 3.4 | G | 35.6 | 18.4 |
| 831 | 268595 | F | 1431 | 1045 | 66.9 | 2.3 | 6.1 | G | 30.5 | 12.2 |
| 832 | 268596 | R | 1063 | 746 | 65.5 | 2.3 | 4.7 | G | 35.6 | 19.6 |
| 833 | 268602 | Pr | 1267 | 881 | 54.3 | 1.3 | 15.2 | G | 43.2 | 18.4 |
| 834 | 268603 | Pr | 1431 | 1006 | 57.4 | 1.8 | 12.9 | G | 45.7 | 18.4 |
| 835 | 268604 | F | 613 | 473 | 68.4 | 3.3 | 8.7 | G | 35.6 | 14.6 |
| 836 | 268612 | F | 1185 | 875 | 71.6 | 1.8 | 2.5 | G | 35.6 | 18.4 |
| 837 | 268616 | F | 981 | 731 | 70.8 | 1.6 | 3.7 | G | 27.9 | 14.6 |
| 838 | 268617 | F | 1267 | 922 | 68.9 | 5.6 | 3.9 | G | 33.0 | 18.4 |
| 839 | 268619 | F | 1185 | 863 | 70.4 | 1.1 | 2.4 | G | 30.5 | 14.6 |
| 840 | 268621 | F | 899 | 648 | 66.2 | 1.5 | 5.9 | G | 35.6 | 15.2 |
| 841 | 268622 | F | 1553 | 1145 | 69.9 | 2.2 | 3.8 | G | 33.0 | 16.5 |
| 842 | 268630 | F | 1880 | 1318 | 67.1 | 1.8 | 3.0 | G | 33.0 | 17.0 |
| 843 | 268632 | F | 1921 | 1310 | 61.6 | 0.6 | 6.6 | G | 33.0 | 15.2 |
| 844 | 268633 | F | 2207 | 1490 | 57.3 | 0.4 | 10.2 | G | 35.6 | 15.2 |
| 845 | 268639 | F | 1676 | 1225 | 71.1 | 2.8 | 2.0 | G | 35.6 | 12.8 |
| 846 | 268640 | F | 1635 | 1225 | 71.1 | 2.1 | 3.8 | G | 38.1 | 16.5 |
| 847 | 268643 | F | 1431 | 980 | 63.3 | 1.3 | 5.2 | G | 38.1 | 15.8 |
| 848 | 268645 | F | 2003 | 1379 | 65.0 | 0.7 | 3.8 | G | 35.6 | 18.4 |
| 849 | 268648 | F | 2453 | 1737 | 67.4 | 3.7 | 3.4 | G | 40.6 | 14.6 |
| 850 | 268650 | F | 1799 | 1288 | 63.8 | 1.0 | 7.8 | G | 38.1 | 17.0 |

TABLE II (Continued)

| Okla. P-No. | P.I. No. | Testa Color | Fruit Yield (lb/A) | Kernel Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | Stem Color | Plant Ht. (cm) | Leaflet Area ($cm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|
| 851 | 268651 | F | 1635 | 1205 | 70.9 | 3.2 | 2.8 | G | 35.6 | 18.4 |
| 852 | 268652 | F | 1717 | 1238 | 64.0 | 0.5 | 8.1 | G | 38.1 | 17.0 |
| 853 | 268653 | F | 1185 | 865 | 69.8 | 2.5 | 3.2 | G | 33.0 | 17.7 |
| 854 | 268654 | F | 1308 | 950 | 67.3 | 1.5 | 5.3 | G | 40.6 | 21.5 |
| 855 | 268655 | F | 1063 | 825 | 74.0 | 1.3 | 3.6 | G | 30.5 | 17.0 |
| 856 | 268658 | F | 1635 | 1041 | 57.1 | 1.2 | 6.6 | G | 38.1 | 16.5 |
| 857 | 268659 | F | 981 | 711 | 69.5 | 2.1 | 3.0 | G | 33.0 | 15.8 |
| 858 | 268660 | F | 1267 | 859 | 64.2 | 0.7 | 3.6 | G | 33.0 | 12.8 |
| 859 | 268679 | W | 2371 | 1508 | 52.0 | 0.3 | 5.6 | G | 33.0 | 12.8 |
| 860 | 268680 | F | 1063 | 755 | 68.3 | 0.5 | 2.7 | G | 30.5 | 14.6 |
| 861 | 268681 | F | 1390 | 1024 | 70.6 | 2.3 | 3.1 | G | 33.0 | 14.6 |
| 862 | 268682 | F | 2207 | 1585 | 68.5 | 2.2 | 3.3 | G | 35.6 | 16.5 |
| 863 | 268687 | F | 2207 | 1452 | 62.6 | 0.7 | 3.2 | G | 35.6 | 17.0 |
| 864 | 268688 | F | 1799 | 1272 | 68.0 | 1.7 | 2.7 | G | 30.5 | 15.8 |
| 865 | 268689 | F | 1676 | 1206 | 69.6 | 2.8 | 2.4 | G | 35.6 | 18.4 |
| 866 | 268691 | F | 1840 | 1316 | 69.2 | 2.8 | 2.3 | G | 40.6 | 21.5 |
| 867 | 259778 | F | 1717 | 1193 | 62.1 | 2.0 | 7.4 | G | 38.1 | 15.2 |
| 868 | 268693 | F | 2167 | 1635 | 71.4 | 3.3 | 4.0 | G | 43.2 | 20.2 |
| 869 | 268694 | F | 2739 | 1863 | 61.8 | 3.3 | 6.2 | G | 53.3 | 17.1 |
| 870 | 268706 | F | 1962 | 1419 | 65.9 | 0.5 | 6.4 | G | 35.6 | 18.4 |
| 871 | 268752 | F | 1962 | 1456 | 67.3 | 1.9 | 6.9 | G | 35.6 | 14.6 |
| 872 | 268755 | F | 2167 | 1541 | 61.9 | 1.6 | 9.2 | G | 38.1 | 16.5 |
| 873 | 268756 | F | 1635 | 1244 | 73.3 | 0.7 | 2.8 | G | 35.6 | 15.8 |
| 874 | 268759 | F | 2044 | 1412 | 58.1 | 0.8 | 11.0 | G | 38.1 | 15.8 |
| 875 | 268779 | F | 1185 | 842 | 63.0 | 0.4 | 8.1 | G | 33.0 | 15.8 |
| 876 | 268780 | F | 1635 | 1132 | 61.3 | 0.6 | 7.9 | G | 35.6 | 12.2 |
| 877 | 268781 | F | 1676 | 1178 | 65.0 | 0.8 | 5.3 | G | 33.0 | 14.6 |
| 878 | 268788 | F | 2289 | 1518 | 60.9 | 1.3 | 5.4 | G | 35.6 | 14.6 |
| 879 | 268806 | F | 2126 | 1559 | 69.0 | 2.2 | 4.3 | G | 33.0 | 15.2 |
| 880 | 268813 | F | 1349 | 1001 | 66.7 | 1.4 | 7.5 | G | 33.0 | 13.4 |
| 881 | 268829 | F | 1390 | 1058 | 73.4 | 1.1 | 2.7 | G | 30.5 | 15.2 |
| 882 | 270767 | R | 1472 | 1073 | 70.4 | 0.6 | 2.5 | G | 38.1 | 15.8 |
| 883 | 270786 A | Pr | 2044 | 1457 | 66.8 | 0.6 | 4.5 | G | 43.2 | 13.4 |
| 884 | 270791 | Pr | 1758 | 1315 | 69.0 | 2.3 | 5.8 | G | 35.6 | 15.2 |
| 885 | 270793 | R | 1185 | 907 | 73.8 | 0.2 | 2.7 | G | 35.6 | 17.8 |
| 886 | 270794 | R | 1226 | 910 | 70.6 | 0.7 | 3.7 | G | 40.6 | 12.2 |
| 887 | 270795 | R | 1431 | 1065 | 71.3 | 1.2 | 3.1 | G | 33.0 | 13.4 |
| 888 | 270816 | F | 2248 | - | 70.5 | 4.6 | 2.6 | G | 33.0 | 17.7 |
| 889 | 270842 | R | 2371 | 1781 | 72.8 | 1.1 | 2.3 | G | 43.2 | 15.8 |
| 890 | 259650 | R | 1063 | 763 | 66.0 | 0.7 | 5.8 | G | 40.6 | 15.8 |
| 891 | 259718 | F | 2126 | 1536 | 67.0 | 0.7 | 5.2 | G | 33.0 | 17.0 |
| 893 | 259746 | F | 1267 | 955 | 72.1 | 0.5 | 3.3 | G | 35.6 | 19.6 |
| 894 | 259754 | F | 1717 | 1231 | 64.9 | 1.8 | 6.8 | G | 35.6 | 15.8 |
| 895 | 259756 | F | 1594 | 1165 | 69.3 | 1.3 | 3.8 | - | - | 17.0 |
| 896 | 259775 | F | 1431 | 1017 | 65.7 | 0.8 | 5.4 | - | - | 17.0 |
| 897 | 259825 | R | 1349 | 952 | 64.3 | 2.3 | 6.3 | - | - | 15.8 |
| 898 | 259834 | F | 2330 | 1584 | 64.1 | 1.3 | 3.9 | - | - | 18.4 |
| 899 | 259835 | F | 2371 | 1600 | 63.2 | 1.2 | 3.9 | - | - | 15.8 |
| 900 | 259603 | F | 1840 | 1297 | 64.9 | 0.7 | 5.6 | - | - | 15.2 |

LEGEND FOR TABLE III

Thrips Score: 0 = No Injury to, 9 = Very Severe Damage.

Leafspot Score: 0 = No Infection to, 5 = Severe Infection.

TABLE III

PEANUT INTRODUCTIONS: P-NO., P.I. NO., YIELD, GRADE, PLANT HEIGHT, PLANT WIDTH, STEM COLOR, THRIPS SCORE, LEAFSPOT SCORE, AND REMARKS FOR PEANUT INTRODUCTIONS GROWN NEAR PERKINS IN 1965

| Okla. P-No. | P.I. No. | Yield (lb/A) | Total SMK (%) | Sound Splits (%) | Other Kernels (%) | Hulls (%) | Plant Ht. (cm) | Plant Width (cm) | Stem Color | Thrips 6/25 | Leaf-spot 9/15 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | 234420 | 998 | 66.0 | 5.8 | 4.5 | 29.5 | 35.6 | 61.0 | green | 5 | 3.0 | |
| 41 | 234421 | 1225 | 67.7 | 6.9 | 4.1 | 28.2 | 38.1 | 63.5 | green | 6 | 2.0 | |
| 42 | 234422 | 1044 | 66.3 | 8.5 | 4.0 | 29.6 | 43.2 | 88.9 | green | 7 | 2.0 | |
| 43 | 237507 | 2042 | 72.6 | 4.5 | 1.9 | 25.5 | 45.7 | 88.9 | green | 7 | 2.0 | |
| 45 | 237508 | 2042 | 71.2 | 5.7 | 3.0 | 25.8 | 48.3 | 96.5 | green | 6 | 1.5 | |
| 46 | 237510 | 1815 | 70.8 | 6.9 | 2.7 | 26.4 | 45.7 | 94.0 | green | 7 | 1.5 | |
| 47 | 237509 | 2178 | 0.0 | 0.0 | 0.0 | 0.0 | 45.7 | 94.0 | green | 7 | 1.5 | |
| 144 | 234417 | 862 | 70.4 | 7.7 | 4.2 | 25.5 | 45.7 | 96.5 | green | 7 | 1.5 | Long pegs, long leaflets. |
| 147 | 162403 | 1452 | 67.5 | 7.1 | 6.7 | 25.8 | 50.8 | 106.7 | green | 6 | 1.0 | |
| 148 | 161868 | 1089 | 68.9 | 11.4 | 5.8 | 25.4 | 53.3 | 96.5 | green | 5 | 1.0 | |
| 149 | 162408 | 1089 | 65.8 | 1.8 | 6.1 | 29.0 | 58.4 | 116.8 | pr.&gr. | 7 | 1.0 | |
| 150 | 185632 | 454 | 44.0 | 1.5 | 18.1 | 37.8 | 33.0 | 96.5 | green | 6 | 1.0 | |
| 153 | 162532 | 272 | 41.1 | 1.1 | 8.2 | 50.5 | 43.2 | 104.1 | green | 5 | 1.0 | |
| 154 | 162541 | 907 | 59.3 | 0.8 | 6.8 | 33.8 | 35.6 | 99.1 | green | 5 | 1.0 | |
| 924 | 280688 | 454 | 32.0 | 0.0 | 21.4 | 46.6 | 38.1 | 116.8 | purple | 3 | 2.0 | |
| 326 | 280688 | 182 | 29.7 | 0.0 | 21.6 | 48.6 | 38.1 | 106.7 | purple | 2 | 2.0 | |
| 330 | 152125 | 1316 | 70.0 | 6.2 | 3.2 | 26.8 | 43.2 | 86.4 | green | 9 | 3.0 | |
| 331 | 161317 | 2359 | 0.0 | 0.0 | 0.0 | 0.0 | 53.3 | 94.0 | green | 7 | 3.0 | |
| 332 | 259800 | 2541 | 70.3 | 4.8 | 4.2 | 25.5 | 53.3 | 88.9 | green | 7 | 3.0 | |
| 333 | 264159 | 2496 | 71.0 | 7.8 | 3.8 | 25.1 | 45.7 | 94.0 | green | 6 | 4.0 | |
| 334 | 268767 | 3040 | 69.8 | 6.8 | 3.5 | 26.7 | 48.3 | 96.5 | green | 5 | 2.0 | Early bloom. |
| 335 | 268768 | 3085 | 70.0 | 6.4 | 2.4 | 25.6 | 48.3 | 101.6 | green | 5 | 2.0 | |
| 336 | 268771 | 3403 | 73.5 | 4.8 | 1.4 | 25.0 | 50.8 | 109.2 | green | 4 | 3.0 | |
| 337 | 259637 | 3494 | 72.2 | 5.7 | 2.3 | 25.6 | 50.8 | 101.6 | green | 4 | 3.0 | |
| 338 | 259671 | 2858 | 71.1 | 4.4 | 3.8 | 25.1 | 55.9 | 106.7 | green | 5 | 1.5 | |
| 339 | 259678 | 2541 | 72.4 | 3.1 | 1.7 | 25.8 | 58.4 | 109.2 | green | 6 | 1.5 | |
| 341 | 268545 | 3085 | 74.1 | 4.7 | 0.8 | 25.0 | 45.7 | 99.1 | green | 6 | 1.5 | |
| 343 | 268573 | 2949 | 0.0 | 0.0 | 0.0 | 0.0 | 55.9 | 101.6 | green | 5 | 1.5 | |
| 344 | 268577 | 1996 | 74.8 | 3.0 | 1.4 | 23.6 | 53.3 | 109.2 | green | 6 | 2.0 | |
| 345 | $268595R_1$ | 2314 | 71.5 | 10.1 | 3.0 | 25.5 | 45.7 | 96.5 | green | 6 | 2.0 | |
| 346 | $268595R_2$ | 1951 | 70.3 | 9.5 | 5.2 | 24.4 | 45.7 | 86.4 | green | 8 | 3.0 | |
| 347 | 268596 | 1770 | 73.3 | 12.1 | 2.5 | 24.2 | 33.0 | 83.8 | green | 8 | 3.0 | Early bloom. |
| 348 | 268598 | 1406 | 69.9 | 4.5 | 2.1 | 28.0 | 53.3 | 96.5 | green | 7 | 2.0 | |
| 349 | 268598B | 2677 | 62.3 | 5.2 | 5.7 | 26.7 | 40.6 | 86.4 | green | 6 | 2.0 | Some drought tolerance, small leaves. |
| 350 | 268598R | 1815 | 75.9 | 15.0 | 2.5 | 21.5 | 48.3 | 99.1 | green | 7 | 3.0 | Some drought tolerance. |
| 351 | 268599 | 2722 | 71.9 | 6.4 | 3.0 | 25.1 | 55.9 | 101.6 | green | 6 | 2.0 | |
| 352 | 268601 | 3176 | 71.3 | 7.8 | 3.4 | 25.2 | 53.8 | 106.7 | green | 7 | 3.0 | Early bloom. |
| 353 | 268607 | 2768 | 73.4 | 7.0 | 1.1 | 25.4 | 55.9 | 109.2 | green | 6 | 3.0 | |
| 354 | 268609 | 2405 | 73.4 | 5.6 | 1.3 | 25.3 | 61.0 | 111.8 | green | 6 | 2.0 | Early bloom. |
| 355 | 268609 | 2496 | 69.0 | 1.6 | 4.4 | 26.6 | 58.4 | 111.8 | green | 8 | 2.0 | |
| 356 | 268611 | 2087 | 72.0 | 3.7 | 1.5 | 26.4 | 50.8 | 94.0 | green | 8 | 2.0 | |
| 357 | 268611 | 2813 | 67.8 | 6.4 | 3.0 | 29.1 | 50.8 | 101.6 | green | 6 | 2.0 | Drought tolerant. |
| 358 | 268615 | 2405 | 71.8 | 9.4 | 3.2 | 25.0 | 43.2 | 94.0 | green | 6 | 2.0 | |
| 359 | 268616 | 1860 | 72.9 | 8.9 | 2.2 | 24.9 | 48.3 | 94.0 | green | 6 | 2.0 | |
| 360 | 268616 | 1815 | 0.0 | 0.0 | 0.0 | 0.0 | 48.3 | 96.5 | green | 7 | 2.0 | |
| 361 | 268616 | 1361 | 69.4 | 4.5 | 4.0 | 26.6 | 43.2 | 73.7 | green | 9 | 2.0 | |
| 362 | 268626 | 1633 | 70.8 | 6.0 | 4.1 | 25.0 | 45.7 | 86.4 | green | 9 | 2.0 | |
| 363 | 268626 | 1996 | 73.2 | 6.8 | 3.0 | 23.8 | 50.8 | 96.5 | green | 8 | 2.0 | |

TABLE III (Continued)

| Okla. P-No. | P.I. No. | Yield (lb/A) | Total SMK (%) | Sound Splits (%) | Other Kernels (%) | Hulls (%) | Plant Ht. (cm) | Plant Width (cm) | Stem Color | Thrips 6/25 | Leaf-spot 9/15 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 364 | 268633 | 2405 | 71.3 | 7.4 | 2.7 | 26.0 | 45.7 | 101.6 | green | 7 | 2.0 | Drought tolerant. |
| 365 | 268635 | 2269 | 73.4 | 9.6 | 1.1 | 25.4 | 45.7 | 101.6 | green | 8 | 2.0 | Two to three seeded. |
| 366 | 268636 | 2178 | 71.9 | 9.3 | 1.8 | 26.3 | 45.7 | 88.9 | green | 8 | 2.0 | |
| 367 | 268637B | 2722 | 75.4 | 5.4 | 1.9 | 22.8 | 45.7 | 94.0 | green | 8 | 2.0 | |
| 368 | $268637R_1$ | 2450 | 76.4 | 11.4 | 1.2 | 22.4 | 53.3 | 111.8 | green | 8 | 2.0 | Few three seed. |
| 369 | 268637 | 3040 | 75.7 | 9.5 | 1.6 | 22.7 | 53.3 | 111.8 | green | 8 | 2.0 | Early bloom. |
| 371 | $268644R_1$ | 2087 | 74.5 | 6.4 | 1.7 | 23.7 | 48.3 | 94.0 | green | 7 | 1.5 | |
| 372 | $268644R_3$ | 2949 | 69.6 | 5.4 | 4.5 | 25.9 | 48.3 | 99.1 | green | 7 | 1.5 | Early bloom. |
| 373 | 268647 | 2450 | 0.0 | 0.0 | 0.0 | 0.0 | 48.3 | 104.1 | green | 8 | 1.5 | |
| 374 | 268648 | 2178 | 70.7 | 9.5 | 1.6 | 27.6 | 45.7 | 91.4 | green | 8 | 1.5 | |
| 375 | $268649R_2$ | 2450 | 70.6 | 4.4 | 5.0 | 24.4 | 48.3 | 94.0 | green | 7 | 1.5 | |
| 376 | $268649R_3$ | 1906 | 71.8 | 4.6 | 3.2 | 25.0 | 48.3 | 101.6 | green | 9 | 1.5 | |
| 377 | 268654 | 1815 | 72.7 | 4.5 | 2.9 | 24.4 | 43.2 | 88.9 | green | 9 | 2.0 | |
| 378 | 268654 | 1543 | 68.6 | 9.2 | 3.2 | 28.3 | 45.7 | 86.4 | green | 8 | 2.0 | |
| 379 | 268654 | 2813 | 70.4 | 7.9 | 3.9 | 25.7 | 50.8 | 101.6 | green | 8 | 3.0 | |
| 380 | 268657 | 2949 | 71.0 | 4.8 | 2.1 | 27.0 | 48.3 | 101.6 | green | 8 | 2.0 | |
| 381 | 268660 | 2858 | 70.4 | 6.3 | 3.7 | 25.9 | 48.3 | 101.6 | green | 7 | 2.0 | |
| 382 | 268663 | 1996 | 72.3 | 6.1 | 2.4 | 25.3 | 50.8 | 99.1 | green | 8 | 2.0 | Some drought tolerance. |
| 383 | 268680 | 2632 | 72.3 | 6.1 | 1.4 | 26.3 | 48.3 | 101.6 | green | 7 | 2.0 | |
| 384 | 268680 | 3221 | 74.3 | 5.9 | 2.0 | 23.7 | 53.3 | 111.8 | green | 8 | 2.0 | Some drought tolerance, large rough hull. |
| 385 | 268684 | 2995 | 72.9 | 5.7 | 3.0 | 24.0 | 50.8 | 106.7 | green | 7 | 2.0 | Medium to small seed. |
| 387 | 268688 | 2496 | 73.4 | 6.5 | 2.6 | 24.0 | 43.2 | 88.9 | green | 8 | 2.0 | Smooth and rough hull, large to small seed. |
| 388 | 268688 | 2132 | 73.0 | 9.2 | 2.6 | 24.4 | 45.7 | 94.0 | green | 8 | 2.0 | Rough hull, smooth and rough kernel, off flavor. |
| 389 | 268689 | 2677 | 70.9 | 4.3 | 2.5 | 26.6 | 48.3 | 99.1 | green | 7 | 2.0 | Variable seed. |
| 390 | $268690R_1$ | 1951 | 74.3 | 10.0 | 1.7 | 24.0 | 40.6 | 76.2 | green | 7 | 2.0 | |
| 391 | $268690R_2$ | 2450 | 71.5 | 6.1 | 3.7 | 24.8 | 48.3 | 96.5 | green | 6 | 2.0 | |
| 392 | 268692 | 1996 | 72.5 | 6.2 | 3.0 | 24.5 | 48.3 | 96.5 | green | 6 | 2.0 | |
| 393 | $268692R_1$ | 1270 | 63.6 | 5.2 | 4.9 | 31.4 | 48.3 | 96.5 | pr.&gr. | 8 | 0.0 | |
| 394 | $268692R_2$ | 1633 | 68.0 | 7.2 | 3.3 | 28.7 | 55.9 | 106.7 | green | 8 | 0.0 | |
| 395 | $268701R_1$ | 2496 | 70.5 | 5.3 | 2.2 | 27.3 | 58.4 | 60.9 | green | 7 | 0.0 | |
| 396 | $268701R_2$ | 2722 | 73.3 | 5.6 | 2.7 | 23.9 | 53.3 | 99.1 | green | 7 | 0.0 | |
| 398 | $268704R_1$ | 2405 | 74.3 | 5.3 | 2.4 | 23.3 | 45.7 | 99.1 | green | 7 | 0.0 | |
| 399 | $268704R_2$ | 2042 | 70.8 | 4.0 | 4.9 | 24.4 | 48.3 | 94.0 | green | 6 | 0.0 | |
| 400 | 268706 | 2858 | 74.0 | 5.2 | 2.0 | 24.0 | 55.9 | 109.2 | green | 6 | 0.0 | |
| 401 | 268707 | 2405 | 71.5 | 9.3 | 1.2 | 27.3 | 55.9 | 106.7 | green | 7 | 0.0 | |
| 402 | 268708B | 2722 | 70.4 | 5.6 | 3.8 | 25.8 | 55.9 | 104.1 | green | 6 | 0.0 | |
| 403 | 268708C | 2586 | 70.5 | 3.9 | 3.0 | 26.4 | 48.3 | 101.6 | green | 5 | 0.0 | |
| 404 | 268708D | 2496 | 73.9 | 5.8 | 1.5 | 24.5 | 45.7 | 106.7 | green | 7 | 0.0 | |
| 405 | 268708R | 2722 | 69.2 | 5.7 | 2.0 | 28.8 | 53.3 | 106.7 | green | 5 | 0.0 | |
| 406 | 268710 | 2359 | 70.2 | 9.1 | 2.7 | 27.1 | 53.3 | 104.1 | green | 6 | 0.0 | |
| 407 | 268711B | 2132 | 72.4 | 11.3 | 3.2 | 24.4 | 45.7 | 94.0 | green | 5 | 0.0 | |
| 408 | $268711R_2$ | 1906 | 71.2 | 7.8 | 3.5 | 25.3 | 43.2 | 86.4 | green | 7 | 0.0 | |
| 409 | 268712 | 1497 | 71.1 | 7.6 | 3.9 | 25.0 | 43.2 | 76.2 | green | 7 | 0.0 | |
| 410 | 268716 | 2087 | 68.0 | 5.3 | 5.7 | 26.3 | 45.7 | 86.4 | green | 8 | 0.0 | |
| 411 | $268724R_1$ | 2632 | 73.0 | 4.1 | 3.9 | 23.1 | 48.3 | 99.1 | green | 8 | 0.0 | |

TABLE III (Continued)

| Okla. P-No. | P.I. No. | Yield (lb/A) | Total SMK (%) | Sound Splits (%) | Other Kernels (%) | Hulls (%) | Plant Ht. (cm) | Plant Width (cm) | Stem Color | Thrips 6/25 | Leaf-spot 9/15 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 412 | 268724$R_2$ | 3040 | 72.9 | 6.3 | 2.9 | 24.2 | 48.3 | 101.6 | green | 7 | 0.0 | |
| 413 | 268729$R_1$ | 3085 | 72.4 | 5.5 | 4.2 | 23.4 | 50.8 | 99.1 | green | 7 | 0.0 | |
| 414 | 268729$R_2$ | 3131 | 0.0 | 0.0 | 0.0 | 0.0 | 48.3 | 96.5 | green | 6 | 0.0 | |
| 416 | 268739 | 3857 | 0.0 | 0.0 | 0.0 | 0.0 | 55.9 | 109.2 | green | 7 | 0.0 | |
| 417 | 268740 | 2269 | 67.6 | 1.5 | 9.3 | 23.1 | 58.4 | 116.8 | green | 6 | 0.0 | |
| 418 | 268740$R_2$ | 2949 | 71.6 | 4.4 | 3.2 | 25.3 | 58.4 | 119.4 | green | 6 | 0.0 | |
| 420 | 268742 | 2995 | 74.9 | 7.1 | 1.3 | 23.7 | 50.9 | 106.7 | green | 7 | 0.0 | |
| 421 | 268748 | 3040 | 74.3 | 13.5 | 2.3 | 23.5 | 48.3 | 106.7 | green | 8 | 0.0 | |
| 422 | 268749 | 2804 | 70.6 | 6.5 | 3.7 | 25.7 | 55.9 | 109.2 | green | 6 | 0.0 | |
| 423 | 268752 | 3176 | 71.6 | 12.8 | 2.8 | 25.6 | 48.3 | 109.2 | green | 7 | 0.0 | |
| 424 | 268758 | 2223 | 71.2 | 7.9 | 2.0 | 26.8 | 55.9 | 109.2 | green | 7 | 0.0 | |
| 425 | 268759 | 2586 | 71.5 | 6.3 | 3.5 | 25.0 | 48.3 | 94.0 | green | 7 | 0.0 | |
| 426 | 268760 | 1543 | 71.0 | 6.5 | 3.6 | 25.4 | 45.7 | 76.2 | green | 8 | 0.0 | |
| 427 | 268767 | 1770 | 74.6 | 6.6 | 1.7 | 23.7 | 43.2 | 88.9 | green | 7 | 0.0 | |
| 428 | 268769 | 2541 | 71.7 | 5.9 | 3.6 | 24.8 | 43.2 | 94.0 | green | 8 | 0.0 | |
| 429 | 268771 | 2632 | 71.2 | 7.5 | 4.0 | 24.8 | 50.9 | 91.4 | green | 7 | 0.0 | |
| 430 | 268777 | 3131 | 69.9 | 9.0 | 6.4 | 23.7 | 48.3 | 101.6 | green | 7 | 0.0 | |
| 432 | 268787 | 3176 | 73.5 | 4.1 | 3.2 | 23.3 | 48.3 | 106.7 | green | 9 | 0.0 | |
| 433 | 268789 | 3494 | 68.4 | 3.6 | 3.4 | 28.2 | 48.3 | 101.6 | green | 6 | 0.0 | |
| 434 | 268789 | 3221 | 64.0 | 2.1 | 8.4 | 27.6 | 50.9 | 106.7 | green | 7 | 0.0 | |
| 435 | 268790 | 3267 | 69.2 | 6.4 | 2.3 | 28.4 | 50.9 | 104.1 | green | 8 | 0.0 | |
| 436 | 268795B | 2768 | 72.4 | 6.3 | 2.9 | 24.7 | 48.3 | 101.6 | green | 7 | 0.0 | |
| 437 | 268795 | 3131 | 69.5 | 8.6 | 3.1 | 27.5 | 45.7 | 104.1 | green | 7 | 0.0 | |
| 439 | 268808 | 2405 | 72.7 | 7.3 | 2.1 | 25.2 | 50.9 | 101.6 | green | 6 | 0.0 | |
| 440 | 268810 | 2496 | 72.1 | 6.8 | 2.0 | 25.9 | 48.3 | 99.1 | green | 7 | 0.0 | |
| 441 | 268812 | 2541 | 73.1 | 9.7 | 2.0 | 24.9 | 43.2 | 99.1 | green | 7 | 0.0 | |
| 442 | 268818 | 2359 | 72.0 | 7.1 | 1.7 | 26.3 | 40.6 | 94.0 | green | 6 | 0.0 | |
| 443 | 268821 | 1543 | 66.7 | 2.4 | 6.1 | 27.3 | 48.3 | 96.5 | green | 8 | 0.0 | |
| 444 | 268822 | 1724 | 70.8 | 4.9 | 2.8 | 26.4 | 43.2 | 88.9 | green | 7 | 0.0 | |
| 445 | 268823 | 2450 | 69.4 | 5.3 | 7.4 | 23.2 | 43.2 | 83.8 | green | 7 | 0.0 | |
| 446 | 268825 | 2541 | 70.4 | 3.2 | 3.9 | 25.6 | 48.3 | 96.5 | green | 6 | 0.0 | |
| 448 | 268826 | 2586 | 73.9 | 8.0 | 2.4 | 23.7 | 45.7 | 99.1 | green | 7 | 0.0 | |
| 449 | 268827 | 2632 | 72.8 | 7.0 | 2.5 | 24.7 | 45.7 | 101.6 | green | 7 | 0.0 | |
| 450 | 268828B | 2405 | 72.7 | 7.0 | 3.1 | 24.3 | 50.9 | 104.1 | green | 6 | 0.0 | |
| 452 | 268828 | 3085 | 71.6 | 4.8 | 2.7 | 25.7 | 50.9 | 103.2 | green | 6 | 0.0 | |
| 454 | 268830 | 3040 | 71.3 | 3.9 | 2.8 | 25.9 | 48.3 | 114.3 | green | 6 | 0.0 | |
| 455 | 268832 | 2541 | 68.7 | 8.6 | 5.5 | 25.8 | 43.2 | 96.5 | green | 6 | 0.0 | |
| 456 | 270773 | 2496 | 72.3 | 6.3 | 2.6 | 25.1 | 53.3 | 103.2 | green | 7 | 0.0 | |
| 457 | 270773 | 2223 | 0.0 | 0.0 | 0.0 | 0.0 | 55.9 | 109.2 | green | 7 | 0.0 | |
| 458 | 270784 | 1996 | 74.4 | 4.7 | 2.6 | 23.0 | 48.3 | 127.0 | green | 5 | 0.0 | |
| 459 | 270786 | 2178 | 70.6 | 1.9 | 2.8 | 26.6 | 48.3 | 119.4 | green | 4 | 0.0 | |
| 460 | 270789 | 2178 | 70.5 | 3.2 | 2.7 | 26.8 | 48.3 | 99.1 | green | 6 | 0.0 | |
| 461 | 270804 | 1860 | 69.7 | 5.2 | 5.1 | 25.2 | 45.7 | 88.9 | green | 7 | 0.0 | |
| 462 | 270804R | 1860 | 0.0 | 0.0 | 0.0 | 0.0 | 45.7 | 88.9 | green | 5 | 0.0 | |
| 464 | 270838 | 2541 | 71.2 | 4.1 | 2.9 | 25.9 | 50.8 | 104.1 | green | 6 | 0.0 | |

TABLE III (Continued)

| Okla. P-No. | P.I. No. | Yield (lb/A) | Total SMK (%) | Sound Splits (%) | Other Kernels (%) | Hulls (%) | Plant Ht. (cm) | Plant Width (cm) | Stem Color | Thrips 6/25 | Leaf-spot 9/15 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 466 | 271021 | 2722 | 70.2 | 4.2 | 2.3 | 27.4 | 48.3 | 101.6 | green | 6 | 0.0 | |
| 467 | 271022 | 2496 | 74.2 | 8.1 | 3.1 | 22.7 | 38.1 | 88.9 | green | 5 | 0.0 | |
| 468 | 274267 | 2496 | 73.0 | 6.5 | 2.1 | 24.9 | 48.3 | 99.1 | green | 8 | 0.0 | |
| 472 | 261997 | 2178 | 72.0 | 1.3 | 3.8 | 24.2 | 53.3 | 104.1 | green | 6 | 0.0 | |
| 473 | NRM 1 | 3085 | 72.3 | 6.5 | 1.6 | 26.0 | 48.3 | 106.7 | green | 6 | 0.0 | |
| 474 | NRM 2 | 3085 | 70.8 | 4.6 | 2.3 | 26.9 | 50.8 | 104.1 | green | 6 | 0.0 | |
| 475 | NRM 3 | 2541 | 74.0 | 4.6 | 1.8 | 24.2 | 48.3 | 99.1 | green | 6 | 0.0 | |
| 486 | NRM 6 | 2722 | 73.2 | 5.9 | 2.5 | 24.2 | 50.8 | 101.6 | green | 6 | 0.0 | |
| 487 | NRM 7 | 2178 | 72.7 | 4.1 | 1.2 | 26.2 | 53.3 | 99.1 | green | 7 | 0.0 | |
| 500 | 262072 | 1497 | 64.3 | 1.3 | 6.9 | 28.8 | 48.3 | 114.3 | purple | 7 | 0.0 | |
| 508 | 261895 | 1996 | 67.8 | 1.5 | 2.6 | 29.5 | 53.3 | 63.5 | green | 6 | 0.0 | |
| 509 | 261932 | 1906 | 70.5 | 1.6 | 4.1 | 25.3 | 45.7 | 94.0 | green | 6 | 0.0 | |
| 511 | 261933 | 1044 | 60.4 | 1.5 | 5.9 | 33.7 | 53.3 | 104.1 | purple | 8 | 0.0 | |
| 513 | 261938 | 1225 | 58.9 | 0.8 | 14.9 | 26.2 | 53.3 | 104.1 | purple | 7 | 0.0 | |
| 514 | 261927 | 1633 | 73.5 | 3.3 | 4.7 | 21.7 | 50.8 | 99.1 | green | 7 | 0.0 | |
| 515 | 274203 | 1588 | 66.6 | 0.5 | 10.0 | 23.4 | 53.3 | 116.8 | green | 6 | 0.0 | |
| 518 | 261952 | 2223 | 70.6 | 1.2 | 4.7 | 24.7 | 53.3 | 106.7 | green | 6 | 0.0 | |
| 519 | 261953 | 1860 | 71.4 | 0.6 | 4.9 | 23.7 | 58.4 | 116.8 | green | 5 | 0.0 | |
| 521 | 261968 | 2223 | 72.1 | 2.8 | 3.9 | 24.0 | 53.3 | 101.6 | green | 5 | 0.0 | |
| 523 | 261974 | 2405 | 71.5 | 1.5 | 4.9 | 23.6 | 58.4 | 111.8 | green | 5 | 0.0 | |
| 525 | 261976 | 2178 | 72.0 | 3.6 | 2.7 | 25.3 | 58.4 | 114.3 | green | 6 | 0.0 | |
| 526 | 261977 | 1815 | 71.8 | 3.1 | 2.5 | 25.7 | 53.3 | 106.7 | green | 6 | 0.0 | |
| 527 | 261984 | 2178 | 70.4 | 2.7 | 5.4 | 24.2 | 48.3 | 104.1 | green | 4 | 0.0 | |
| 528 | 261985 | 2132 | 71.2 | 3.7 | 5.2 | 23.6 | 48.3 | 99.1 | green | 5 | 0.0 | |
| 530 | 261994 | 1951 | 70.9 | 2.2 | 5.4 | 23.6 | 50.8 | 99.1 | green | 6 | 0.0 | |
| 533 | 262013 | 1724 | 71.6 | 3.0 | 4.1 | 24.4 | 48.3 | 96.5 | green | 5 | 0.0 | |
| 546 | 248757 | 1951 | 72.1 | 7.0 | 4.7 | 23.3 | 45.7 | 86.4 | green | 4 | 0.0 | |
| 547 | 248758 | 1951 | 70.0 | 8.3 | 7.1 | 22.9 | 40.6 | 73.7 | green | 5 | 0.0 | |
| 548 | 248759 | 2042 | 69.6 | 5.3 | 6.5 | 23.9 | 43.2 | 73.7 | green | 6 | 0.0 | |
| 550 | 248761 | 2269 | 73.2 | 5.9 | 3.3 | 23.5 | 43.2 | 83.8 | green | 6 | 0.0 | |
| 551 | 248762 | 2359 | 71.8 | 4.4 | 3.3 | 25.0 | 45.7 | 94.0 | green | 5 | 0.0 | |
| 553 | 248766 | 2269 | 73.5 | 7.5 | 3.1 | 23.4 | 45.7 | 94.0 | green | 4 | 0.0 | |
| 554 | 248767 | 2450 | 71.8 | 6.0 | 4.2 | 24.0 | 45.7 | 86.4 | green | 5 | 0.0 | |
| 555 | 248768 | 2450 | 72.1 | 3.6 | 3.4 | 24.5 | 48.3 | 88.9 | green | 5 | 0.0 | |
| 556 | 247368 | 1996 | 69.4 | 0.8 | 4.3 | 26.2 | 54.4 | 114.3 | green | 6 | 0.0 | |
| 557 | 247378 | 2632 | 75.3 | 5.6 | 2.5 | 22.2 | 50.8 | 99.1 | green | 5 | 0.0 | |
| 558 | 240546 | 1815 | 70.0 | 1.3 | 6.2 | 23.8 | 48.3 | 96.5 | green | 4 | 0.0 | |
| 559 | 240555 | 2405 | 71.6 | 6.6 | 3.5 | 24.9 | 43.2 | 88.9 | green | 4 | 0.0 | |
| 562 | 240578 | 2632 | 71.9 | 7.8 | 3.7 | 24.4 | 48.3 | 101.6 | green | 4 | 0.0 | |
| 564 | 268592 | 2087 | 71.8 | 1.5 | 4.1 | 24.1 | 50.8 | 99.1 | green | 5 | 0.0 | |
| 565 | 268597 | 2269 | 68.0 | 6.8 | 5.6 | 26.3 | 48.3 | 83.8 | green | 4 | 0.0 | |
| 566 | 268600 | 2541 | 66.8 | 1.7 | 6.5 | 26.7 | 53.3 | 114.3 | pr.&gr. | 5 | 0.0 | |
| 568 | 268604 | 1497 | 69.7 | 6.9 | 4.4 | 25.9 | 45.7 | 73.7 | green | 8 | 0.0 | |
| 569 | 268613 | 1543 | 71.6 | 7.5 | 3.6 | 24.9 | 48.3 | 96.5 | green | 8 | 0.0 | |
| 570 | 268614 | 2223 | 73.9 | 7.2 | 2.4 | 23.7 | 45.7 | 86.4 | green | 5 | 0.0 | |

TABLE III (Continued)

| Okla. P-No. | P.I. No. | Yield (lb/A) | Total SMK (%) | Sound Splits (%) | Other Kernels (%) | Hulls (%) | Plant Ht. (cm) | Plant Width (cm) | Stem Color | Thrips 6/25 | Leaf-spot 9/15 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 571 | 268615 | 1951 | 74.0 | 4.7 | 2.2 | 23.8 | 45.7 | 88.9 | green | 6 | 0.0 | |
| 572 | 268618 | 1589 | 73.6 | 6.7 | 3.1 | 23.2 | 43.2 | 96.5 | green | 6 | 0.0 | |
| 573 | 268620 | 1497 | 68.9 | 4.2 | 3.2 | 27.9 | 48.3 | 91.4 | green | 5 | 0.0 | |
| 574 | 268623 | 1225 | 68.9 | 6.5 | 3.1 | 28.0 | 53.3 | 94.0 | green | 8 | 0.0 | |
| 575 | 268624 | 1543 | 74.8 | 7.0 | 2.3 | 22.9 | 54.4 | 94.0 | green | 6 | 0.0 | |
| 576 | 268625 | 1543 | 74.9 | 4.8 | 2.3 | 22.8 | 55.9 | 91.4 | green | 7 | 0.0 | |
| 578 | 268627 | 1543 | 74.0 | 7.0 | 2.5 | 23.8 | 45.7 | 83.8 | green | 6 | 0.0 | |
| 579 | 268628 | 1815 | 74.9 | 2.8 | 2.8 | 22.4 | 43.2 | 86.4 | green | 5 | 0.0 | |
| 580 | 268629 | 1770 | 77.8 | 9.1 | 2.9 | 24.1 | 45.7 | 81.3 | green | 6 | 0.0 | |
| 582 | 268631 | 1770 | 73.1 | 7.0 | 3.1 | 23.7 | 45.7 | 88.9 | green | 5 | 0.0 | |
| 583 | 268633 | 1770 | 73.5 | 7.8 | 3.7 | 22.8 | 45.7 | 86.4 | green | 4 | 0.0 | |
| 585 | 268635 | 1663 | 71.5 | 7.1 | 4.4 | 24.1 | 43.2 | 83.8 | green | 5 | 0.0 | |
| 586 | 268613 | 1452 | 70.0 | 5.0 | 4.8 | 25.2 | 40.6 | 73.7 | green | 6 | 0.0 | |
| 587 | 268637 | 1770 | 72.1 | 5.8 | 3.0 | 24.9 | 43.2 | 83.8 | green | 6 | 0.0 | Several chlorotic plants. |
| 588 | 268638 | 1996 | 71.0 | 4.1 | 2.2 | 26.9 | 43.2 | 76.2 | green | 5 | 0.0 | |
| 590 | 268642 | 1679 | 74.0 | 5.1 | 2.5 | 23.5 | 45.7 | 88.9 | green | 8 | 0.0 | |
| 593 | 268649 | 2132 | 72.7 | 11.6 | 3.2 | 24.2 | 43.2 | 91.4 | green | 5 | 0.0 | |
| 594 | 268654 | 1588 | 73.1 | 6.1 | 3.2 | 23.7 | 48.3 | 88.9 | green | 6 | 0.0 | |
| 595 | 268657 | 2450 | 74.6 | 9.3 | 3.4 | 21.9 | 43.2 | 81.3 | green | 5 | 0.0 | |
| 596 | 268664 | 1588 | 77.5 | 14.2 | 2.4 | 20.1 | 58.4 | 81.3 | green | 4 | 0.0 | |
| 597 | 268665 | 1679 | 73.8 | 5.7 | 4.5 | 21.7 | 48.3 | 88.9 | green | 5 | 0.0 | |
| 601 | 268669 | 1906 | 72.8 | 8.4 | 4.2 | 23.2 | 48.3 | 94.0 | green | 5 | 0.0 | |
| 602 | 268669 | 1543 | 75.2 | 10.1 | 3.8 | 21.1 | 48.3 | 91.4 | green | 6 | 0.0 | |
| 603 | 268670 | 1361 | 74.4 | 10.5 | 4.2 | 21.4 | 48.3 | 94.0 | green | 5 | 0.0 | |
| 604 | 268672 | 1452 | - | - | - | - | - | - | | - | - | |
| 605 | 268673 | 1225 | 73.2 | 10.1 | 4.9 | 21.9 | 48.3 | 94.0 | green | 4 | 0.0 | |
| 607 | 268675 | 1044 | 72.8 | 10.6 | 4.4 | 22.8 | 50.8 | 88.9 | green | 6 | 0.0 | |
| 610 | 268678 | 1996 | 67.9 | 1.4 | 5.7 | 26.4 | 45.7 | 88.9 | green | 7 | 0.0 | |
| 611 | 268679 | 2042 | 70.4 | 3.0 | 3.5 | 26.1 | 43.2 | 91.4 | green | 5 | 0.0 | |
| 612 | 268683 | 1906 | 74.0 | 9.2 | 1.7 | 24.3 | 35.6 | 66.0 | green | 7 | 0.0 | Semi-krinkle. |
| 613 | 268685 | 1906 | 72.0 | 4.0 | 1.7 | 26.3 | 40.6 | 71.1 | green | 4 | 0.0 | |
| 615 | 268690 | 2042 | 72.9 | 6.8 | 2.7 | 24.5 | 48.3 | 91.4 | green | 5 | 0.0 | |
| 616 | 268695 | 2132 | 74.8 | 5.4 | 2.5 | 22.6 | 48.3 | 94.0 | green | 5 | 0.0 | |
| 617 | 268696 | 2405 | 73.2 | 3.7 | 2.7 | 24.2 | 53.3 | 101.6 | green | 4 | 0.0 | |
| 618 | 268697 | 2496 | 72.9 | 5.3 | 3.3 | 23.7 | 53.3 | 101.6 | green | 5 | 0.0 | |
| 619 | 268698 | 2314 | 73.2 | 3.3 | 2.8 | 24.1 | 48.3 | 91.4 | green | 4 | 0.0 | |
| 620 | 268699 | 2087 | 72.8 | 6.2 | 3.2 | 24.0 | 48.3 | 96.5 | green | 5 | 0.0 | |
| 621 | 268700 | 2586 | 73.1 | 5.4 | 2.8 | 24.1 | 50.8 | 94.0 | green | 4 | 0.0 | |
| 622 | 268701 | 2586 | 73.4 | 6.8 | 2.6 | 24.0 | 48.3 | 94.0 | green | 5 | 0.0 | |
| 623 | 268702 | 1497 | 72.1 | 8.2 | 3.2 | 24.7 | 43.2 | 88.9 | green | 4 | 0.0 | |
| 624 | 268703 | 2269 | 72.4 | 5.7 | 4.0 | 23.7 | 48.3 | 91.4 | green | 4 | 0.0 | |
| 625 | 268703 | 1588 | 71.1 | 6.9 | 3.5 | 25.4 | 43.2 | 73.7 | green | 5 | 0.0 | |
| 626 | 268704 | 1951 | 71.5 | 6.1 | 3.2 | 25.4 | 43.2 | 88.9 | green | 5 | 0.0 | |
| 627 | 268706 | 2042 | 72.5 | 4.9 | 3.2 | 24.2 | 48.3 | 94.0 | green | 4 | 0.0 | |
| 628 | 268707 | 1951 | 72.6 | 5.5 | 2.9 | 24.4 | 45.7 | 88.9 | green | 4 | 0.0 | |

TABLE III (Continued)

| Okla. P-No. | P.I. No. | Yield (lb/A) | Total SMK (%) | Sound Splits (%) | Other Kernels (%) | Hulls (%) | Plant Ht. (cm) | Plant Width (cm) | Stem Color | Thrips 6/25 | Leaf-spot 9/15 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 629 | 268708 | 1951 | 74.3 | 6.7 | 2.4 | 23.3 | 45.7 | 94.0 | green | 6 | 0.0 | |
| 630 | 268709 | 2132 | - | - | - | - | 96.5 | 94.0 | green | 6 | 0.0 | |
| 631 | 268710 | 2223 | 73.5 | 4.5 | 2.0 | 24.5 | 50.8 | 91.4 | green | 3 | 0.0 | |
| 632 | 268711 | 2269 | 73.4 | 4.0 | 2.2 | 24.3 | 53.3 | 99.1 | green | 5 | 0.0 | |
| 633 | 268712 | 2359 | 74.3 | 4.8 | 1.7 | 24.0 | 53.3 | 91.4 | green | 4 | 0.0 | |
| 635 | 268714 | 2269 | - | - | - | - | 48.3 | 78.7 | green | 3 | 0.0 | |
| 636 | 268715 | 2042 | 73.1 | 5.0 | 2.5 | 24.4 | 45.7 | 81.3 | green | 4 | 0.0 | |
| 637 | 268716 | 2223 | 72.4 | 5.8 | 4.1 | 23.5 | 43.2 | 83.8 | green | 3 | 0.0 | |
| 638 | 268717 | 1996 | - | - | - | - | 48.3 | 91.4 | green | 4 | 0.0 | |
| 639 | 268718 | 1906 | 72.6 | 7.0 | 3.2 | 24.1 | 45.7 | 86.4 | green | 3 | 0.0 | |
| 640 | 268719 | 1860 | 73.2 | 7.8 | 3.0 | 23.7 | 48.3 | 94.0 | green | 4 | 0.0 | |
| 641 | 268720 | 1406 | 71.4 | 5.3 | 3.4 | 25.2 | 45.7 | 86.4 | green | 4 | 0.0 | |
| 642 | 268721 | 2042 | 72.1 | 7.1 | 3.1 | 24.8 | 43.2 | 94.0 | green | 3 | 0.0 | |
| 645 | 268723 | 1996 | 71.7 | 7.2 | 4.2 | 24.1 | 45.7 | 88.9 | green | 4 | 0.0 | |
| 646 | 268723 | 2132 | 74.1 | 3.8 | 2.8 | 23.1 | 45.7 | 94.0 | green | 5 | 0.0 | |
| 647 | 268724 | 1815 | 73.8 | 5.0 | 2.6 | 23.5 | 48.3 | 96.5 | green | 5 | 0.0 | |
| 648 | 268725 | 1951 | 73.8 | 4.8 | 2.8 | 23.4 | 45.7 | 91.4 | green | 4 | 0.0 | |
| 649 | 268726 | 2405 | 74.4 | 3.7 | 2.0 | 23.5 | 53.3 | 104.1 | green | 4 | 0.0 | |
| 650 | 268727 | 2405 | 75.6 | 4.6 | 1.3 | 23.1 | 55.9 | 104.1 | green | 5 | 0.0 | |
| 651 | 268728 | 2450 | 74.7 | 5.4 | 2.2 | 23.1 | 53.3 | 109.2 | green | 5 | 0.0 | |
| 652 | 268729 | 1996 | 73.8 | 5.0 | 2.8 | 23.4 | 53.3 | 94.0 | green | 5 | 0.0 | |
| 655 | 268733 | 1996 | 71.9 | 3.6 | 3.5 | 24.7 | 45.7 | 91.4 | green | 6 | 0.0 | |
| 656 | 268734 | 2178 | 70.8 | 4.1 | 4.0 | 25.2 | 48.3 | 94.0 | green | 4 | 0.0 | |
| 657 | 268735 | 2087 | 75.2 | 7.3 | 1.9 | 22.9 | 48.3 | 91.4 | green | 4 | 0.0 | |
| 658 | 268736 | 1860 | 69.6 | 5.6 | 4.3 | 26.1 | 48.3 | 96.5 | green | 3 | 0.0 | |
| 659 | 268737 | 1996 | 74.3 | 5.3 | 2.1 | 23.6 | 48.3 | 94.0 | green | 4 | 0.0 | |
| 660 | 268738 | 1044 | 71.0 | 7.4 | 4.8 | 24.2 | 45.7 | 78.7 | green | 5 | 0.0 | |
| 661 | 268739 | 1180 | 73.0 | 7.1 | 2.9 | 24.1 | 43.2 | 71.1 | green | 5 | 0.0 | |
| 662 | 268739 | 1497 | 72.3 | 4.1 | 4.6 | 23.1 | 45.7 | 76.2 | green | 3 | 0.0 | |
| 663 | 268741 | 1724 | 69.2 | 1.6 | 6.3 | 24.5 | 45.7 | 78.7 | green | 4 | 0.0 | |
| 664 | 268742 | 1543 | 73.6 | 5.5 | 2.4 | 23.9 | 43.2 | 78.7 | green | 4 | 0.0 | |
| 665 | 268743 | 1497 | 73.3 | 6.0 | 3.0 | 23.7 | 45.7 | 81.3 | green | 5 | 0.0 | |
| 667 | 268744 | 1679 | 71.3 | 3.5 | 3.9 | 24.9 | 43.2 | 78.7 | green | 4 | 0.0 | |
| 668 | 268745 | 1860 | 76.1 | 5.4 | 1.8 | 22.0 | 50.8 | 96.5 | green | 5 | 0.0 | |
| 669 | 268746 | 2132 | 73.9 | 4.5 | 2.4 | 23.7 | 50.8 | 99.1 | green | 4 | 0.0 | |
| 670 | 268747 | 1906 | 74.7 | 10.9 | 2.1 | 23.2 | 48.3 | 91.4 | green | 4 | 0.0 | |
| 671 | 268747 | 2042 | 73.7 | 7.5 | 2.8 | 23.5 | 43.2 | 94.0 | green | 3 | 0.0 | |
| 672 | 268748 | 2087 | 72.9 | 9.8 | 3.4 | 23.6 | 45.7 | 106.7 | green | 4 | 0.0 | |
| 673 | 268749 | 2314 | 74.0 | 6.0 | 2.9 | 23.2 | 48.3 | 96.5 | green | 4 | 0.0 | |
| 674 | 268751 | 1679 | 73.0 | 5.3 | 2.8 | 24.2 | 50.8 | 91.4 | green | 6 | 0.0 | |
| 676 | 268754 | 1951 | 72.9 | 8.1 | 1.4 | 25.7 | 48.3 | 99.1 | green | 5 | 0.0 | |
| 677 | 268757 | 1679 | 72.4 | 9.2 | 3.2 | 24.4 | 38.1 | 88.9 | green | 4 | 0.0 | |
| 679 | 268762 | 1770 | 69.9 | 10.0 | 4.8 | 25.3 | 45.7 | 81.3 | green | 3 | 0.0 | |
| 680 | 268763 | 2087 | 71.9 | 9.7 | 3.7 | 24.4 | 40.6 | 76.2 | green | 6 | 0.0 | |
| 681 | 268764 | 1770 | 73.0 | 8.5 | 2.6 | 24.4 | 43.2 | 94.0 | green | 4 | 0.0 | |

TABLE III (Continued)

| Okla. P-No. | P.I. No. | Yield (lb/A) | Total SMK (%) | Sound Splits (%) | Other Kernels (%) | Hulls (%) | Plant Ht. (cm) | Plant Width (cm) | Stem Color | Thrips 6/25 | Leaf-spot 9/15 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 682 | 268765 | 1770 | 74.9 | 8.9 | 3.7 | 21.5 | 40.6 | 81.3 | green | 5 | 0.0 | |
| 683 | 268766 | 1906 | 74.5 | 8.1 | 2.4 | 23.2 | 43.2 | 88.9 | green | 4 | 0.0 | |
| 684 | - | 1860 | 74.0 | 4.4 | 2.7 | 23.3 | 48.3 | 88.9 | green | 4 | 0.0 | |
| 685 | 268769 | 2087 | 76.2 | 5.2 | 1.5 | 22.3 | 45.7 | 91.4 | green | 3 | 0.0 | |
| 687 | 268771 | 1906 | 75.2 | 5.7 | 1.2 | 23.6 | 43.2 | 86.4 | green | 4 | 0.0 | |
| 688 | 268772 | 1996 | 72.5 | 9.8 | 3.1 | 24.4 | 43.2 | 83.8 | green | 5 | 0.0 | |
| 689 | 268772 | 1588 | 70.9 | 8.1 | 4.5 | 24.6 | 50.8 | 73.7 | green | 5 | 0.0 | |
| 690 | 268773 | 2132 | 72.7 | 6.7 | 2.3 | 25.0 | 53.3 | 86.4 | green | 4 | 0.0 | |
| 691 | 268773 | 2042 | - | - | - | - | 50.8 | 86.4 | green | 5 | 0.0 | |
| 692 | 268774 | 2132 | 72.8 | 7.6 | 4.7 | 22.3 | 45.7 | 81.3 | green | 4 | 0.0 | |
| 693 | 268774 | 1996 | 70.9 | 10.4 | 6.2 | 23.0 | 48.3 | 81.3 | green | 5 | 0.0 | Small seed. |
| 694 | 268776 | 1679 | 72.6 | 8.0 | 4.0 | 23.4 | 45.7 | 76.2 | green | 5 | 0.0 | |
| 695 | 268777 | 1996 | 70.3 | 10.9 | 7.8 | 21.8 | 43.2 | 76.2 | green | 3 | 0.0 | |
| 696 | 268778 | 1679 | 73.1 | 5.2 | 4.8 | 22.0 | 45.7 | 71.1 | green | 4 | 0.0 | |
| 697 | 268781 | 1633 | 70.7 | 6.5 | 2.8 | 26.4 | 45.7 | 83.8 | green | 4 | 0.0 | |
| 698 | 268782 | 1770 | 69.7 | 3.8 | 2.9 | 27.4 | 53.3 | 81.3 | green | 6 | 0.0 | |
| 700 | 268784 | 1860 | 73.1 | 6.3 | 2.6 | 24.3 | 50.8 | 86.4 | green | 4 | 0.0 | |
| 701 | 268785 | 1860 | 72.4 | 5.9 | 2.1 | 25.3 | 48.3 | 78.7 | green | 5 | 0.0 | |
| 702 | 268786 | 1906 | 75.0 | 4.3 | 1.7 | 23.3 | 55.9 | 91.4 | green | 6 | 0.0 | |
| 703 | 268786 | 2132 | 75.3 | 6.4 | 1.1 | 23.6 | 50.8 | 94.0 | green | 5 | 0.0 | |
| 704 | 268787 | 1815 | 73.6 | 7.0 | 3.1 | 23.3 | 48.3 | 86.4 | green | 4 | 0.0 | |
| 705 | 268790 | 1951 | 74.0 | 7.9 | 3.3 | 22.7 | 45.7 | 83.8 | green | 5 | 0.0 | Loose testa. |
| 706 | 268791 | 2087 | 73.8 | 4.5 | 2.2 | 23.7 | 50.8 | 88.9 | green | 4 | 0.0 | |
| 707 | 268791 | 2269 | 73.6 | 6.3 | 2.8 | 23.6 | 48.3 | 88.9 | green | 3 | 0.0 | |
| 708 | 268792 | 2223 | 73.4 | 7.4 | 2.6 | 24.1 | 55.9 | 86.4 | green | 3 | 0.0 | |
| 709 | 268792 | 2314 | 73.4 | 6.3 | 2.3 | 24.3 | 53.3 | 94.0 | green | 4 | 0.0 | |
| 710 | 268793 | 1543 | 71.8 | 7.2 | 4.9 | 23.3 | 53.3 | 83.8 | green | 4 | 0.0 | Pointed germ. |
| 711 | 268794 | 1770 | 72.5 | 5.9 | 2.9 | 24.6 | 48.3 | 86.4 | green | 4 | 0.0 | |
| 712 | 268795 | 1860 | 69.7 | 5.3 | 4.3 | 26.0 | 48.3 | 86.4 | green | 5 | 0.0 | |
| 713 | 268796 | 1543 | 73.7 | 7.8 | 2.7 | 23.3 | 48.3 | 81.3 | green | 6 | 0.0 | |
| 714 | 268796 | 1770 | 72.5 | 5.7 | 2.9 | 24.3 | 48.3 | 86.4 | green | 6 | 0.0 | |
| 715 | 268797 | 1906 | 72.2 | 7.5 | 4.1 | 23.4 | 45.7 | 81.3 | green | 5 | 0.0 | |
| 716 | 268798 | 2223 | 73.1 | 7.2 | 3.8 | 22.8 | 53.3 | 83.8 | green | 6 | 0.0 | |
| 717 | 268799 | 1906 | 74.5 | 10.0 | 3.1 | 22.2 | 55.9 | 83.8 | green | 5 | 0.0 | |
| 719 | 268801 | 2269 | 74.8 | 4.5 | 1.7 | 23.2 | 50.8 | 86.4 | green | 6 | 0.0 | |
| 720 | 268802 | 2178 | 71.4 | 7.4 | 3.9 | 24.6 | 50.8 | 81.3 | green | 6 | 0.0 | |
| 721 | 268802 | 2087 | - | - | - | - | 55.9 | 88.9 | green | 5 | 0.0 | |
| 722 | 268803 | 1906 | 73.7 | 4.7 | 2.0 | 24.1 | 53.3 | 91.4 | green | 5 | 0.0 | |
| 723 | 268804 | 2586 | 72.4 | 7.8 | 3.0 | 24.5 | 48.3 | 86.4 | green | 5 | 0.0 | |
| 724 | 268805 | 2314 | 73.5 | 9.0 | 4.6 | 21.8 | 50.8 | 81.3 | green | 4 | 0.0 | |
| 725 | 268806 | 2359 | 72.8 | 6.3 | 3.0 | 24.5 | 50.8 | 91.4 | green | 6 | 0.0 | |
| 726 | 268807 | 1588 | 70.0 | 6.1 | 6.3 | 26.5 | 43.2 | 73.7 | green | 5 | 0.0 | |
| 727 | 268808 | 1452 | 68.8 | 3.4 | 9.6 | 21.6 | 43.2 | 76.2 | green | 4 | 0.0 | |
| 728 | 268809 | 1996 | 69.9 | 6.1 | 5.2 | 24.7 | 45.7 | 73.7 | green | 5 | 0.0 | |

TABLE III (Continued)

| Okla. P-No. | P.I. No. | Yield (lb/A) | Total SMK (%) | Sound Splits (%) | Other Kernels (%) | Hulls (%) | Plant Ht. (cm) | Plant Width (cm) | Stem Color | Thrips 6/25 | Leaf-spot 9/15 | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 729 | 268811 | 1679 | 68.5 | 5.6 | 5.9 | 25.3 | 50.8 | 78.7 | green | 4 | 0.0 | |
| 730 | 268811 | 1724 | 69.0 | 5.1 | 5.0 | 24.5 | 45.7 | 50.8 | green | 4 | 0.0 | |
| 732 | 268814 | 1225 | 73.4 | 9.3 | 3.3 | 23.1 | 50.8 | 86.4 | green | 4 | 0.0 | Poor vigor. |
| 733 | 268815 | 1860 | 71.8 | 7.4 | 4.2 | 23.9 | 55.9 | 86.4 | green | 5 | 0.0 | |
| 734 | 268816 | 2042 | 74.0 | 4.2 | 1.4 | 24.1 | 55.9 | 91.4 | green | 4 | 0.0 | |
| 735 | 268817 | 1951 | 72.6 | 6.1 | 2.1 | 25.0 | 53.3 | 81.3 | green | 4 | 0.0 | |
| 736 | 268818 | 2269 | 74.7 | 5.5 | 2.8 | 22.5 | 45.7 | 73.7 | green | 5 | 0.0 | Pointed variable seed. |
| 737 | 268819 | 1406 | 68.4 | 5.3 | 2.2 | 29.2 | 61.0 | 101.6 | green | 5 | 0.0 | |
| 738 | 268820 | 2087 | 71.3 | 6.1 | 2.8 | 25.6 | 53.3 | 83.8 | green | 3 | 0.0 | |
| 740 | 268822 | 1679 | 71.5 | 7.2 | 1.6 | 26.7 | 43.2 | 76.2 | green | 4 | 0.0 | |
| 741 | 268823 | 1633 | 73.4 | 6.0 | 2.7 | 23.7 | 48.3 | 76.2 | green | 5 | 0.0 | |
| 742 | 268824 | 1770 | 67.1 | 5.2 | 3.0 | 29.8 | 50.8 | 78.7 | green | 4 | 0.0 | Thin testa. |
| 743 | 268825 | 1361 | 64.8 | 3.3 | 3.8 | 31.3 | 48.3 | 58.4 | green | 4 | 0.0 | Good base crop. |
| 744 | 268826 | 1815 | 66.8 | 2.9 | 11.7 | 21.5 | 43.2 | 66.0 | green | 5 | 0.0 | Very small seed. |
| 746 | 268828 | 1724 | 72.1 | 6.2 | 4.7 | 23.4 | 43.2 | 73.7 | green | 4 | 0.0 | |
| 747 | 268830 | 1815 | 69.6 | 4.1 | 7.3 | 23.0 | 38.1 | 68.6 | green | 5 | 0.0 | |
| 749 | 268832 | 1770 | 69.5 | 6.7 | 5.2 | 25.3 | 40.6 | 68.6 | green | 4 | 0.0 | |
| 750 | 268833 | 1906 | 71.3 | 6.3 | 4.1 | 24.4 | 40.6 | 78.7 | green | 4 | - | No leafspot. |
| 751 | 268834 | 1860 | 73.7 | 5.9 | 2.9 | 23.4 | 48.3 | 86.4 | green | 5 | 0.0 | |
| 752 | 268835 | 2132 | 75.4 | 8.7 | 3.0 | 21.6 | 43.2 | 78.7 | green | 3 | 0.0 | |
| 754 | 270776 | 1996 | 75.8 | 7.5 | 2.0 | 22.2 | 48.3 | 81.3 | green | 5 | 0.0 | |
| 760 | 271017 | 1543 | 74.9 | 6.6 | 2.8 | 22.1 | 35.6 | 66.0 | green | 4 | 0.0 | Poor vigor. |
| 762 | 270777 | 1906 | 68.6 | 4.4 | 3.0 | 28.4 | 50.8 | 83.8 | green | 1 | 0.0 | Poor vigor. |
| 768 | 270836 | 2223 | 69.6 | 4.3 | 3.8 | 26.5 | 48.3 | 99.1 | green | 3 | 0.0 | |
| 769 | 270837 | 1679 | 74.8 | 9.0 | 2.5 | 22.7 | 40.6 | 73.7 | green | 4 | 0.0 | Poor vigor. |
| 770 | 270846 | 2178 | 74.6 | 9.4 | 1.9 | 23.4 | 43.2 | 78.7 | green | 5 | 0.0 | |
| 771 | 270851 | 1906 | 71.4 | 14.3 | 3.5 | 24.9 | 48.3 | 99.1 | green | 4 | 0.0 | |
| 772 | 270857 | 1134 | 71.2 | 33.7 | 5.8 | 22.8 | 33.0 | 73.7 | green | 4 | 0.0 | Poor vigor. |
| 773 | 268789 | 1316 | 63.8 | 5.3 | 6.8 | 29.4 | 40.6 | 63.5 | green | 5 | 0.0 | |
| 774 | 259591 | 1497 | 64.9 | 4.1 | 7.2 | 27.6 | 45.7 | 63.5 | green | 4 | 0.0 | |
| 781 | 259757 | 1497 | 71.6 | 4.7 | 3.1 | 25.3 | 40.6 | 63.5 | green | 5 | 0.0 | |
| 782 | 259765 | 1679 | 71.6 | 8.3 | 3.1 | 25.1 | 33.0 | 78.7 | green | 4 | 0.0 | Poor vigor. |
| 784 | 259771 | 1860 | 71.1 | 6.8 | 3.8 | 24.9 | 43.2 | 61.0 | green | 4 | 0.0 | |
| 785 | 259774 | 1770 | 72.0 | 6.2 | 2.7 | 25.2 | 43.2 | 61.0 | green | 3 | 0.0 | |
| 787 | 259800 | 1543 | 71.1 | 4.9 | 1.8 | 27.0 | 40.6 | 58.4 | green | 4 | 0.0 | |
| 788 | 259821 | 1860 | - | - | - | - | 48.3 | 81.3 | green | 4 | 0.0 | |
| 789 | 259579 | 1724 | 72.4 | 7.7 | 6.2 | 21.2 | 43.2 | 68.6 | green | 4 | 0.0 | |
| 792 | 262035 | 1633 | 72.0 | 7.5 | 1.8 | 26.2 | 43.2 | 81.3 | green | 6 | 0.0 | |
| 794 | 262047 | 1906 | 72.2 | 7.5 | 1.9 | 25.9 | 48.3 | 81.3 | green | 7 | 0.0 | Two to three seeded. |
| 795 | 262049 | 998 | 69.7 | 2.9 | 2.6 | 27.5 | 45.7 | 88.9 | green | 4 | 0.0 | |
| 796 | 262055 | 1588 | 73.8 | 4.9 | 1.9 | 24.1 | 43.2 | 68.6 | green | 6 | 0.0 | |
| 797 | 262065 | 1543 | 71.0 | 5.8 | 2.3 | 26.6 | 45.7 | 66.0 | green | 5 | 0.0 | Large smooth to rough hull. |
| 798 | 261918 | 1497 | 70.8 | 2.0 | 3.1 | 26.1 | 45.7 | 91.4 | green | 7 | 0.0 | |
| 799 | 261919 | 272 | 34.9 | 0.0 | 9.0 | 56.0 | 36.6 | 63.5 | lt.pr. | 7 | 0.0 | |

LEGEND FOR TABLE IV

| | | | |
|---|---|---|---|
| Stem Color: | Gr. | = | Green, Pr = Purple, lt.pr. = light purple, |
| | R.Pr. | = | Reddish Purple. |
| Thrips Score: | 0 | = | No Injury to, 9 = Very Severe Damage. |

TABLE IV

PEANUT INTRODUCTIONS: P-NO., P.I. NO., YIELD, PLANT HEIGHT, PLANT WIDTH, STEM COLOR, THRIPS SCORE, AND REMARKS FOR PEANUT INTRODUCTIONS GROWN NEAR PERKINS IN 1965

| Okla. P-No. | P.I. or Strain No. | Yield (lb/A) | Height (cm) | Width (cm) | Stem Color | Thrips Score | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | Argentine | 612 | 36.6 | 55.9 | green | 4 | |
| 6 | Starr | 726 | 36.6 | 55.9 | green | 4 | |
| 194 | Span. Sel. | 635 | 38.1 | 58.4 | green | 5 | |
| 328 | Ross Sel. | 272 | 38.1 | 58.4 | green | 4 | |
| 589 | 268641 | 580 | 38.1 | 66.0 | green | 4 | |
| 599 | 268667 | 136 | 43.2 | 61.0 | green | 4 | |
| 653 | 268730 | 635 | 43.2 | 73.7 | green | 4 | |
| 666 | 268743 | 544 | 38.1 | 61.0 | green | 5 | |
| 686 | 268770 | 771 | 38.1 | 58.4 | green | 4 | |
| 759 | 270789 | 726 | 38.1 | 61.0 | green | 5 | |
| 761 | Tifton 316 | 590 | 36.6 | 61.0 | green | 4 | |
| 763 | 270792 | 499 | 45.7 | 68.6 | gr. to pr. | 5 | |
| 764 | 270815 | 318 | 40.6 | 61.0 | green | 6 | |
| 765 | 270830 | 544 | 43.2 | 73.7 | purple | 5 | |
| 775 | 259591 | 499 | 38.1 | 58.4 | green | 6 | |
| 777 | 259701 | 817 | 38.1 | 58.4 | green | 4 | |
| 779 | 259745 | 590 | 40.6 | 48.3 | green | 3 | |
| 780 | 259753 | 544 | 38.1 | 66.0 | green | 5 | |
| 783 | 259767 | 499 | 36.6 | 55.9 | green | 3 | |
| 790 | 259827 | 408 | 38.1 | 53.3 | green | 3 | |
| 791 | 259860 | 635 | 36.6 | 58.4 | lt.red | 3 | |
| 793 | 262042 | 272 | 48.3 | 68.6 | purple | 5 | |
| 800 | 261921 | 454 | 36.6 | 71.1 | lt.pr. | 6 | |
| 801 | 261923 | 499 | 33.0 | 86.4 | purple | 6 | |
| 802 | 261925 | 454 | 38.1 | 76.2 | purple | 6 | |
| 803 | 261922 | 590 | 33.0 | 76.2 | lt.pr. | 5 | |
| 804 | 261950 | 680 | 40.6 | 71.1 | r.pr. | 5 | |
| 805 | 261949 | 726 | 38.1 | 66.0 | r.pr. | 6 | Red pegs. |
| 809 | 261957 | 272 | 43.2 | 66.0 | r.pr. | 6 | |
| 810 | 262000 | - | 36.6 | 55.9 | lt.pr. | 6 | |
| 812 | 261959 | 363 | 43.2 | 63.5 | r.pr. | 6 | |
| 813 | 261978 | 227 | 43.2 | 71.1 | r.pr. | 6 | |
| 815 | 261962 | 272 | 43.2 | 70.6 | r.pr. | 5 | |
| 816 | 262048 | 318 | 32.8 | 61.0 | lt.pr. | 6 | |
| 817 | 262068 | 272 | 32.8 | 61.0 | lt.pr. | 6 | |
| 818 | 262057 | 363 | 38.1 | 58.4 | lt.pr. | 6 | |
| 822 | 248762 B | 272 | 32.8 | 55.9 | lt.pr. | 7 | |
| 823 | 247374 | 318 | 35.6 | 53.3 | lt.pr. | 6 | |
| 826 | 240570 | 363 | 35.6 | 45.7 | lt.pr. | 7 | |
| 827 | 269710 | 454 | 35.6 | 55.9 | lt.pr. | 5 | |
| 835 | 268604 | 136 | 43.2 | 53.3 | lt.pr. | 7 | |
| 837 | 268616 | 680 | 38.1 | 70.6 | lt.pr. | 6 | |
| 838 | 268617 | 363 | 40.6 | 68.6 | lt.pr. | 6 | |
| 840 | 268621 | 272 | 43.2 | 68.6 | lt.pr. | 5 | |
| 841 | 268622 | 544 | 30.5 | 55.9 | lt.pr. | 6 | Thick green leaflets. |

TABLE IV (Continued)

| Okla. P-No. | P.I. or Strain No. | Yield (lb/A) | Height (cm) | Width (cm) | Stem Color | Thrips Score | Remarks |
|---|---|---|---|---|---|---|---|
| 842 | 268630 | 408 | 27.9 | 50.8 | lt.pr. | 5 | |
| 843 | 262632 | 363 | 32.8 | 63.5 | lt.pr. | 5 | |
| 844 | 262633 | 408 | 38.1 | 58.4 | lt.pr. | 6 | |
| 845 | 268639 | 227 | 32.8 | 61.0 | lt.pr. | 6 | Very few pods. |
| 847 | 268643 | 544 | 43.2 | 53.3 | lt.pr. | 5 | |
| 848 | 268645 | 726 | 40.6 | 58.4 | lt.pr. | 6 | |
| 849 | 268648 | 227 | 38.1 | 55.9 | green | 6 | |
| 850 | 268650 | 454 | 36.8 | 63.5 | lt.pr. | 6 | |
| 851 | 268651 | 408 | 38.1 | 61.0 | lt.pr. | 6 | |
| 852 | 268652 | 272 | 35.6 | 58.4 | lt.pr. | 6 | |
| 853 | 268653 | 318 | 35.6 | 50.8 | lt.pr. | 6 | |
| 854 | 268654 | 408 | 40.6 | 55.9 | green | 7 | |
| 856 | 268658 | 408 | 43.2 | 55.9 | lt.pr. | 5 | |
| 857 | 268659 | 408 | 32.8 | 50.8 | lt.pr. | 5 | |
| 858 | 268660 | 408 | 35.6 | 50.8 | lt.pr. | 6 | |
| 859 | 268679 | 544 | 32.8 | 55.9 | green | 4 | |
| 863 | 268687 | 454 | 27.9 | 48.3 | lt.pr. | 5 | |
| 864 | 268688 | 544 | 35.6 | 53.3 | lt.pr. | 5 | |
| 865 | 268689 | 454 | 32.8 | 53.3 | lt.pr. | 5 | |
| 866 | 268691 | 136 | 40.6 | 76.2 | r.pr. | 6 | |
| 867 | 259778 | 408 | 40.6 | 55.9 | lt.pr. | 4 | |
| 868 | 268693 | 318 | 45.7 | 66.0 | purple | 4 | |
| 869 | 268694 | 363 | 40.6 | 61.0 | lt.pr. | 4 | |
| 870 | 268706 | 272 | 36.8 | 48.3 | lt.pr. | 5 | |
| 871 | 268752 | 454 | 35.6 | 50.8 | lt.pr. | 6 | |
| 872 | 268755 | - | 35.6 | 48.3 | lt.pr. | 6 | |
| 874 | 268759 | 181 | 35.6 | 53.3 | lt.pr. | 7 | |
| 875 | 268779 | - | 35.6 | 61.0 | lt.pr. | 6 | |
| 876 | 268780 | 408 | 38.1 | 63.5 | lt.pr. | 5 | |
| 877 | 268781 | 590 | 38.1 | 63.5 | lt.pr. | 7 | |
| 878 | 268788 | 408 | 38.1 | 55.9 | lt.pr. | 5 | |
| 879 | 268806 | 454 | 35.6 | 55.9 | green | 4 | |
| 880 | 268813 | - | 38.1 | 55.9 | lt.pr. | 7 | |
| 883 | 270786 A | 862 | 38.1 | 63.5 | green | 5 | |
| 884 | 270791 | 590 | 40.6 | 78.7 | green | 5 | |
| 891 | 259718 | 408 | 38.1 | 55.9 | lt.pr. | 5 | |
| 892 | 259719 | 454 | 34.3 | 55.9 | green | 5 | |
| 894 | 259754 | 272 | 40.6 | 53.3 | green | 6 | |
| 895 | 259756 | 907 | 35.6 | 53.3 | green | 4 | |
| 896 | 259775 | 862 | 38.1 | 55.9 | green | 4 | |
| 898 | 259834 | 680 | 35.6 | 53.3 | green | 4 | |
| 899 | 259835 | 272 | 38.1 | 55.9 | green | 6 | |
| 900 | 259603 | 227 | 40.6 | 53.3 | green | 6 | |

LEGEND FOR TABLE V

1/Catalog of Seed, Southern Regional Plant Introduction Station, Experiment, Georgia, Regional Project S-9, pp. 1-87, 1965.

| | | | |
|---|---|---|---|
| Botanical Group: | V | = | Virginia, VL = Valencia, S = Spanish, |
| | R | = | Runner. |
| Growth Habit: | B | = | Bunch, R = Runner. |
| Branching: | S | = | Sparse, M = Moderate, P = Profuse. |
| Testa Color: | F | = | Flesh, R = Red, Pr = Purple. |
| Maturity: | E | = | Early, M = Mid-season, L = Late. |
| Vigor: | EV | = | Exceptionally Vigorous, V = Vigorous, |
| | MV | = | Moderately Vigorous, P = Poor Vigor. |
| Leafspot Score: | 0 | = | No Infection to, 5 = Severe Infection. |
| 2/Thrips Score: | 0 | = | No Injury to, 9 = Very Severe Damage. |

TABLE V

PEANUT INTRODUCTIONS: P-NO., PLANT INTRODUCTION NO., ORIGIN, BOTANICAL TYPE, GROWTH HABIT, YIELD, SEED PER POD, PLANT HEIGHT, PLANT WIDTH, TESTA COLOR, MATURITY, VIGOR, THRIPS SCORE, LEAFSPOT, BRANCHING, AND REMARKS FOR NEW PEANUT INTRODUCTIONS GROWN NEAR PERKINS IN 1965

| Okla. P-No. | P.I. or Strain No. | Origin1/ | Bot. Gp.1/ | Growth Habit1/ | Yield (lb/A) | Seed Pod | Height (cm) | Width (cm) | Testa Color | Maturity | Vigor 6-24 | Thrips Score2/ 6-24 | Leaf-spot1/ | Branching1/ | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 941 | 276105 | S.Africa | V | B | 817 | 1-2 | 33.0 | 61.0 | F | L | EV | 3 | 1 | M-P | |
| 942 | 277197 | India | V | R | 726 | 1-3 | 22.9 | 91.4 | F | L | MV | 8 | 1 | M-P | |
| 943 | 290580 | India | V | R | 726 | 1-2 | 22.9 | 94.0 | F | L | MV | 7 | 1 | P | |
| 944 | 290581 | India | V | R | 1180 | 1-3 | 22.9 | 99.1 | F | L | MV | 6 | 1 | P | |
| 945 | 290536 | India | V | B | 1270 | 1-3 | 30.5 | 73.7 | F | L | MV | 7 | 1 | P | |
| 946 | 290596 | India | V | R | 998 | 1-2 | 25.4 | 81.3 | F | L | MV | 7 | 1 | P | Variable. |
| 947 | 290597 | India | V | R | 635 | 1-3 | 20.3 | 88.9 | F | L | MV | 7 | 1 | P | Variable. |
| 948 | 290598 | India | V | R | 908 | 1-3 | 22.9 | 88.9 | F | L | MV | 7 | 1 | P | Small seed. |
| 949 | 290599 | India | V | R | 1361 | 1-3 | 20.3 | 86.4 | F | L | MV | 7 | 1 | P | |
| 950 | 290606 | India | V | B | 454 | 1-2 | 27.9 | 73.7 | F | L | MV | 6 | 1 | M-P | Hard hulls. |
| 951 | 290607 | India | V | B | 544 | 1-2 | 30.5 | 81.3 | F | L | MV | 7 | 1 | P | Decumbent. |
| 952 | 290608 | India | V | B | 1270 | 1-2 | 33.0 | 86.4 | F | L | V | 7 | 1 | P | Decumbent. |
| 953 | 290633 | India | V | B | 998 | 1-2 | 30.5 | 86.4 | F | L | V | 6 | 1 | M-P | |
| 959 | Va.B.67 | - | V | B | 1452 | 1-2 | 35.6 | 101.6 | F | L | V | 8 | - | - | |
| 960 | Fla.393 | - | - | R | 2632 | 1-2 | 33.0 | 111.8 | F | L | V | 9 | - | - | |
| 962 | F-1135 | - | - | R | 1543 | 1-2 | 35.6 | 101.6 | F | L | V | 8 | - | - | |
| 963 | T-1097 | - | - | - | 1180 | 1-2 | 22.9 | 96.5 | F | - | MV | 9 | - | - | |
| 964 | D.Giant | - | - | - | 1815 | 1-3 | 27.9 | 104.1 | F | - | V | 8 | - | - | Jumbo pods. |
| 965 | 299467 | S.Africa | - | - | 998 | 1-2 | 48.3 | 78.7 | F | - | V | 6 | - | - | |
| 966 | 299468 | S.Africa | - | - | 1452 | 1-2 | 43.2 | 81.3 | W | L | MV | 7 | - | - | |
| 967 | 299469 | S.Africa | - | - | 908 | 1-2 | 40.6 | 81.3 | F | - | MV | 9 | - | - | |
| 968 | 299470 | S.Africa | - | - | 1180 | 1-3 | 43.2 | 96.5 | F | - | MV | 9 | - | - | |
| 969 | 299471 | S.Africa | - | - | 1180 | 1-2 | 43.2 | 96.5 | F | - | V | 7 | - | - | |
| 970 R | Span. Sel. | - | - | - | 1815 | 2-3 | 43.2 | 96.5 | R | - | V | 7 | - | - | Long leaflet, medium-rough hull. |
| 970 F | Span. Sel. | - | - | - | 1543 | 2-3 | 33.0 | 71.1 | F | - | MV | 6 | - | - | Near Span. leaves. |
| 971 | 268661 | N.Rhodesia | - | - | 1452 | - | 30.5 | 71.1 | - | - | P | 8 | - | - | |
| 972 | Ga.-186-28 | - | - | - | 3040 | - | 38.1 | 83.8 | - | - | V | 7 | - | - | Branch crop. |
| 973 | 155053 | Uruguay | S | B | 2450 | - | 38.1 | 83.8 | F | - | V | 7 | 2 | - | |
| 974 R | 149634 | Brazil | - | B | 1996 | 2-3 | 33.0 | 81.3 | R | - | MV | 7 | 2 | - | Mixed plant types. |
| 974 F | 149634 | Brazil | - | B | 2541 | 2-3 | 40.6 | 83.8 | F | M | V | 8 | 2 | - | Long leaflets. |
| 975 | 196740 | Fr.W.Africa | - | B | 1180 | - | 30.5 | 71.1 | F | E | V | 8 | 3 | - | Dk.and lt.green foliage. |
| 976 | 139918 | Belgian Congo | S | B | 1180 | 2-3 | 33.0 | 78.7 | F | - | V | 6 | 2 | - | Long leaflets,pr. stem. |
| 977 | 158838 | China | - | R-B | 1724 | 2-3 | 22.9 | 114.3 | P | - | V | 7 | 3 | - | Rough hull, pr. base stem. |
| 978 | 162804 | Liberia | S | B | 1633 | 2-4 | 38.1 | 76.2 | R | - | V | 9 | 2 | | Long leaflets, rough hull. |
| 979 | 145045 | Hawaii | S | B | 1996 | 2-4 | 38.1 | 86.4 | R | - | MV | 9 | 2 | | Long leaflets, S. - R. hull. |

## LEGEND FOR TABLE VI

Catalog of Seed, Southern Regional Plant Introduction Station, Experiment, Georgia, Regional Project S-9, pp. 1-87, 1965.

| | | | |
|---|---|---|---|
| Maturity: | E<br>ML | =<br>= | Early, ME = Medium Early, M = Mid-season,<br>Medium Late, L = Late, V = Very Late. |
| Bot. Gp.: | S | = | Spanish, VL = Valencia, R = Runner. |
| Growth Habit: | B | = | Bunch, R = Runner. |
| Seed Size: | Gms/100 or S = Small, M = Medium, L = Large. | | |
| Testa Color: | F<br>Pr<br>W | =<br>=<br>= | Flesh, R = Red, LR = Light Red,<br>Purple, DPr = Dark Purple, T = Tan<br>White. |
| Pod Type: | S | = | Spanish, IS = Improved Spanish. |
| Leafspot: | 0 | = | No Infection to, 5 = Severe Infection |
| General Vigor: | V | = | Vigorous, MV = Moderately Vigorous. |
| Branching: | S | = | Sparse, M = Moderate, P = Profuse. |

TABLE VI

SUMMARY OF DATA FROM THE SOUTHERN REGIONAL PLANT INTRODUCTION STATION SEED CATALOG, 1965
FOR THE PEANUT INTRODUCTIONS IN REPLICATED TESTS IN 1965 AND 1966

| Okla. P-No. | P.I. or Strain No. | Origin | Maturity | Bot. Gp. | Growth Habit | Seed Size (gms/100 | Testa Color | Pod Type | Leaf-spot | Shelling (%) | Gen. Vigor | Branching | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | Argentine | Argentina | | | | | | | | | | | |
| 4 | Spantex | | | | | | | | | | | | |
| 6 | Starr | Texas Sel. | | | | | | | | | | | |
| 17 | 161300 | Argentina | E | | B | S | F | S | 5 | | | | |
| 22 | T-437 | Texas Sel | | | | | | | | | | | |
| 25 | 229553 | S.Africa | | | R | | | | | | | | |
| 293 | 259591 | Uruguay | ME | S | | 48.9 | F | IS | | 75.9 | V | M-P | |
| 294 | 259805 | Nyasaland | ME | S | | 37.8 | F | S | | 78.4 | V | M-P | |
| 295 | 259662 | Cuba | ME | S | | 56.7 | F | S | | 76.6 | V | M | |
| 301 | 259728 | Uruguay | E | S | | 38.3 | F | S | | 78.9 | MV | M | |
| 304 | 259814 | Nyasaland | E | S | | 30.5 | F | S | | 77.5 | V | M-P | |
| 309 | 259826 | Nyasaland | E | S | | 37.8 | F | S | | 76.1 | MV | | |
| 315 | 259772 | Nyasaland | ME | S | | 38.8 | F | S | | 76.1 | V | S-M | |
| 317 | 259660 | Cuba | E | S | | 44.3 | F | S | | 50.6 | V | - | |
| 340 | 268516 | N.Rhodesia | | | | | | | | | | | |
| 342 | 268564 | N.Rhodesia | | | | | | | | | | | |
| 370 | 268644 | N.Rhodesia | | S | B | 51.5 | F | - | | - | | S-M | Variable pods and seed. |
| 397 | 268703 | N.Rhodesia | | S | B | 34.5 | F | - | | - | | S-M | Variable pods and seed. |
| 415 | 268737 | N.Rhodesia | | S | B | 35.8 | F | - | | - | | S-M | Variable pods and seed. |
| 419 | 268740 | N.Rhodesia | | S | B | 41.7 | F | - | | - | | S | |
| 431 | 268778 | N.Rhodesia | | S | B | 30.5 | F | - | | - | | S-M | Finely branched. |
| 438 | 268801 | N.Rhodesia | | S | B | 34.7 | F | - | | - | | M | Variable pods and seed. |
| 447 | 268826 | N.Rhodesia | | S | B | 30.2 | F | - | | - | | S | |
| 451 | 268828 | N.Rhodesia | | S | B | 35.1 | F | - | | - | | S-M | Variable pods and seed. |
| 463 | 270817 | N.Rhodesia | | S | B | 37.3 | F | - | | 77.0 | | S-M | Genetic. |
| 465 | 270849 | N.Rhodesia | | VL | B | 37.3 | F | - | | 79.0 | | S-M | |
| 471 | 261997 | Paraguay | | S | | S | R/F | - | | | | | |
| 477 | 262014 | Paraguay | | S | | S | F | - | | | | | |
| 501 | 262073 | Brazil | | S | | S | R/DPr | - | | | | | |
| 512 | 261935 | Paraguay | | S | | S | F | - | | | | | |
| 516 | 261940 | Paraguay | | S | | S | LR | - | | | | | |
| 529 | 261988 | Paraguay | | S | | S | Pr-DPr | - | | | | | |
| 532 | 262001 | Paraguay | | S | | S | R/F | - | | | | | |
| 552 | 248763 | India | M | S | | 29.1 | F | S | 3 | 78.0 | | | |
| 560 | 240561 | Argentina | ME | VL | | 31.9 | Pr | - | 3 | 78.0 | | | |
| 561 | 240572 | Argentina | ME | S | | 29.1 | F | S | 3 | 74.0 | | | |
| 567 | 268601 | N.Rhodesia | | S | B | 39.4 | R,F/R | - | | - | | S | Short top. |

TABLE VI (Continued)

| Okla. P-No. | P.I. or Strain No. | Origin | Maturity | Bot. Gp. | Growth Habit | Seed Size (gms/100) | Testa Color | Pod Type | Leaf-spot | Shelling (%) | Gen. Vigor | Branching | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 577 | 268626 | N.Rhodesia | | S | B | 38.8 | F | - | - | - | | M | Variable pods and seed. |
| 581 | 268630 | N.Rhodesia | | S | B | 40.5 | F | - | - | - | | M | Variable pods and seed. |
| 591 | 268646 | N.Rhodesia | | S | B | 36.8 | F | - | | - | | M | |
| 592 | 268647 | N.Rhodesia | | S | B | 36.8 | F | - | | - | | M | |
| 598 | 268666 | N.Rhodesia | | S | B | 33.0 | R | - | | - | | S-M | |
| 600 | 268668 | N.Rhodesia | | S | B | 33.0 | R | - | | - | | S-M | Some plants coarse. |
| 606 | 268674 | N.Rhodesia | | S | B | 30.2 | R | - | | - | | S-M | Very short pods. |
| 608 | 268676 | N.Rhodesia | | S | B | 33.0 | R | - | | - | | M | |
| 609 | 268677 | N.Rhodesia | | S | B | 36.8 | W | - | | - | | S-M | |
| 614 | 268686 | N.Rhodesia | | S | B | 36.8 | F | - | | - | | S-M | |
| 634 | 268713 | N.Rhodesia | | S | B | 34.2 | F | - | | - | | S-M | |
| 643 | 268721 | N.Rhodesia | | S | B | 31.2 | F | - | | - | | M | Variable seed and pods. |
| 644 | 268722 | N.Rhodesia | | S | B | 31.5 | F | - | | - | | M | |
| 654 | 268732 | N.Rhodesia | | S | B | 31.5 | F | - | | - | | S | |
| 675 | 268753 | N.Rhodesia | | S | B | 33.0 | F | - | | - | | S-M | Short tops. |
| 678 | 268761 | N.Rhodesia | | S | B | 31.2 | F | - | | - | | M | Finely branched. |
| 718 | 268800 | N.Rhodesia | | S | B | 33.0 | F | - | | - | | S-M | |
| 731 | 268812 | N.Rhodesia | | S | B | 29.5 | F | - | | - | | M | Finely branched. |
| 739 | 268821 | N.Rhodesia | | VL | B | 32.3 | F | - | | - | | S | Variable seed and pods. |
| 745 | 268827 | N.Rhodesia | | S | B | 38.3 | F | - | | - | | S-M | Variable seed and pods. |
| 748 | 268831 | N.Rhodesia | | S | B | 32.6 | F | - | | - | | S-M | |
| 807 | 261954 | Paraguay | | S | B | S | DPr | - | | | | | |
| 808 | 261955 | Paraguay | | S | B | S | T/R | | | | | | |
| 819 | 262099 | Bolivia | | S | B | S | R | - | | | | | |
| 824 | 247375 | S.Africa | ME | S | - | 39.2 | F | S | 3 | 76.0 | | | |
| 828 | 269719 | Japan | - | | - | - | - | - | - | - | | - | |
| 836 | 268612 | N.Rhodesia | | S | B | 50.6 | F | - | - | - | | M | |
| 839 | 268619 | N.Rhodesia | | S | B | 47.3 | F | - | - | - | | M | Pod size variable. |
| 846 | 268640 | N.Rhodesia | | S | B | 41.1 | F | - | - | - | | M | Variable seed and pods. |
| 855 | 268655 | N.Rhodesia | | S | B | 41.1 | F | - | - | - | | P | Variable seed and pods. |
| 860 | 268680 | N.Rhodesia | | S | B | 41.7 | F | - | - | - | | S-M | |
| 861 | 268681 | N.Rhodesia | | S | B | 41.5 | F | | | - | | S-M | |
| 862 | 268682 | N.Rhodesia | | S | B | 41.1 | F | | | - | | S-M | |
| 873 | 268756 | N.Rhodesia | | S | B | 41.1 | F | | | - | | S-M | |
| 881 | 268829 | N.Rhodesia | | S | B | 39.2 | F | | | - | | S-M | Variable seed and pods. |
| 882 | 270767 | N.Rhodesia | | S | B | 41.7 | R | | | - | | M | |
| 885 | 270793 | N.Rhodesia | | S | B | 48.1 | R | | | 74.0 | | M | Hard, rough shell. |
| 887 | 270795 | N.Rhodesia | | S | B | 47.2 | R | | | 76.0 | | M-P | Rough shell. |
| 889 | 270842 | N.Rhodesia | | - | B | 41.7 | R | | | 75.0 | | S-M | Hard shell. |
| 893 | 259746 | Uruguay | ME | S | - | 50.6 | F | S | | 76.9 | MV | S | |

TABLE VII

MEAN THRIPS SCORES FOR INTRODUCTIONS IN 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Okla. P-No. | 1965 | 1966 | Mean |
|---|---|---|---|
| 2 | 3.0 | 5.4 | 4.2 |
| 4 | 2.3 | 4.9 | 3.6 |
| 6 | 3.2 | 5.0 | 4.1 |
| 17 | 2.5 | 5.3 | 3.9 |
| 22 | 3.2 | 5.0 | 4.1 |
| 25 | 3.8 | 5.0 | 4.4 |
| 293 | 5.2 | 6.2 | 5.7 |
| 294 | 4.5 | 5.7 | 5.1 |
| 295 | 3.5 | 5.2 | 4.4 |
| 301 | 2.8 | 4.8 | 3.8 |
| 304 | 3.8 | 5.4 | 4.6 |
| 309 | 4.8 | 6.3 | 5.6 |
| 315 | 2.8 | 5.6 | 4.2 |
| 317 | 3.7 | 5.5 | 4.6 |
| 340 | 4.2 | 5.9 | 5.0 |
| 342 | 4.7 | 5.9 | 5.3 |
| 370 | 4.5 | 6.2 | 5.4 |
| 397 | 4.3 | 6.0 | 5.2 |
| 415 | 3.8 | 5.5 | 4.6 |
| 419 | 3.2 | 6.1 | 4.6 |
| 431 | 2.8 | 5.2 | 4.0 |
| 438 | 2.8 | 6.1 | 4.4 |
| 447 | 4.3 | 5.9 | 5.1 |
| 451 | 3.8 | 5.7 | 4.8 |
| 463 | 3.7 | 5.7 | 4.7 |
| 465 | 4.2 | 6.0 | 5.1 |
| 471 | 4.2 | 5.7 | 5.0 |
| 477 | 4.5 | 5.9 | 5.2 |
| 501 | 4.5 | 5.7 | 5.1 |
| 512 | 3.2 | 5.4 | 4.3 |
| 516 | 4.8 | 6.0 | 5.4 |
| 529 | 3.2 | 5.4 | 4.3 |
| 532 | 4.8 | 5.8 | 5.3 |
| 552 | 3.2 | 5.4 | 4.3 |
| 560 | 4.0 | 5.6 | 4.8 |
| 561 | 4.5 | 6.1 | 5.3 |
| 567 | 3.2 | 5.7 | 4.4 |
| 577 | 2.5 | 5.3 | 3.9 |

TABLE VII (Continued)

| Okla. P-No. | 1965 | 1966 | Mean |
|---|---|---|---|
| 581 | 4.2 | 5.9 | 5.0 |
| 591 | 4.8 | 6.2 | 5.5 |
| 592 | 4.8 | 5.9 | 5.4 |
| 598 | 4.5 | 5.8 | 5.2 |
| 600 | 4.2 | 5.8 | 5.0 |
| 606 | 4.0 | 5.8 | 4.9 |
| 608 | 3.7 | 6.0 | 4.8 |
| 609 | 2.0 | 5.3 | 3.6 |
| 614 | 4.2 | 5.8 | 5.0 |
| 634 | 3.3 | 5.2 | 4.2 |
| 643 | 3.8 | 5.0 | 4.4 |
| 644 | 3.3 | 5.3 | 4.3 |
| 654 | 3.3 | 5.6 | 4.4 |
| 675 | 2.3 | 5.4 | 3.8 |
| 678 | 3.5 | 5.8 | 4.6 |
| 718 | 3.2 | 5.2 | 4.2 |
| 731 | 2.0 | 5.2 | 3.6 |
| 739 | 3.8 | 5.8 | 4.8 |
| 745 | 3.8 | 5.7 | 4.8 |
| 748 | 3.3 | 5.7 | 4.5 |
| 807 | 5.0 | 5.7 | 5.4 |
| 808 | 3.7 | 5.5 | 4.6 |
| 819 | 4.3 | 5.8 | 5.0 |
| 824 | 4.8 | 6.0 | 5.4 |
| 828 | 5.2 | 6.0 | 5.6 |
| 836 | 4.7 | 6.1 | 5.4 |
| 839 | 4.0 | 6.0 | 5.0 |
| 846 | 4.5 | 5.8 | 5.2 |
| 855 | 4.3 | 6.2 | 5.2 |
| 860 | 4.3 | 5.9 | 5.1 |
| 861 | 3.8 | 6.0 | 4.9 |
| 862 | 4.8 | 6.0 | 5.4 |
| 873 | 3.7 | 5.5 | 4.6 |
| 881 | 4.0 | 6.0 | 5.0 |
| 882 | 4.2 | 6.1 | 5.2 |
| 885 | 4.8 | 6.2 | 5.5 |
| 887 | 4.2 | 5.6 | 4.9 |
| 889 | 5.3 | 6.0 | 5.6 |
| 893 | 4.2 | 6.0 | 5.1 |
| Mean | 3.9 | 5.7 | 4.8 |
| LSD .05 | 1.2 | 0.8 | |
| CV (%) | 26.6 | 12.9 | |

TABLE VIII

DAILY PRECIPITATION RECORDED FROM MAY 1 THROUGH OCTOBER 31
ON THE PERKINS AGRONOMY RESEARCH STATION, 1964 AND 1965

| Day of Mo. | 1964 | | | | | | 1965 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | May | June | July | Aug. | Sept. | Oct. | May | June | July | Aug. | Sept. | Oct. |
| 1 | 0.20 | | 0.05 | | | | | | | | | |
| 2 | | 0.12 | | | | | | 0.25 | | | | |
| 3 | | | | | | | | | | | 0.38 | |
| 4 | | 0.22 | | | | | | 0.04 | 0.03 | | | |
| 5 | | | | | | | | 0.05 | | | | |
| 6 | 0.10 | | | | | | | 0.16 | 1.53 | | | |
| 7 | | | | 0.40 | | | 1.05 | | 0.01 | | | |
| 8 | 0.02 | | | | | | 1.64 | | 0.12 | 0.32 | | |
| 9 | | | 0.36 | | | | 0.34 | | | | | |
| 10 | 2.99 | | | 0.03 | | | 0.03 | | | | | |
| 11 | | | | | 2.07 | | | 0.89 | | | | |
| 12 | | | | | | 0.08 | | 1.24 | | | | |
| 13 | | 0.14 | | | | 0.13 | | 0.39 | | | | |
| 14 | | | | 0.27 | | | 0.98 | 0.09 | | | 0.03 | |
| 15 | | | | 0.91 | 0.03 | | | | | | | |
| 16 | | | | | 0.35 | | | | | | | |
| 17 | | | | 0.68 | | | | | | | 1.46 | |
| 18 | | | | | | | | | | | | 0.69 |
| 19 | | | | | | | | | | 0.23 | 2.18 | |
| 20 | | | | | 0.14 | | | T | | | 4.35 | |
| 21 | | | | | 0.07 | | | 1.03 | | | | |
| 22 | | | | | 0.22 | | | 0.08 | | 1.53 | | |
| 23 | | 0.30 | | | | | | | | | | |
| 24 | | | | | | | | | | | | |
| 25 | | | | 0.39 | | 0.17 | | | | | | |
| 26 | | | 0.02 | 2.28 | | 0.27 | 0.17 | | | | | |
| 27 | 0.14 | | 0.04 | | 0.19 | | | | | 0.36 | | |
| 28 | | 0.54 | 0.05 | 1.47 | | | 0.03 | | 0.23 | | | |
| 29 | 0.67 | | 0.18 | | | | | | | | | |
| 30 | 0.49 | | | | | | | | | | 0.05 | |
| 31 | | | | | | | 0.40 | | | 0.94 | | |
| Total | 4.61 | 1.12 | 0.70 | 6.43 | 3.07 | 0.65 | 4.64 | 4.22 | 1.92 | 3.38 | 8.45 | 0.69 |

TABLE IX

DAILY PRECIPITATION RECORDED FROM MAY 1 THROUGH OCTOBER 31
ON THE PERKINS AGRONOMY RESEARCH STATION, 1966 AND 1967

| Day of Mo. | 1966 | | | | | | 1967 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | May | June | July | Aug. | Sept. | Oct. | May | June | July | Aug. | Sept. | Oct. |
| 1 | 0.07 | | | | | | | 0.05 | | | | |
| 2 | | | | | | | | | | | 0.51 | |
| 3 | | | | | 0.08 | | | | | 0.49 | 1.22 | |
| 4 | | 0.23 | | | 1.08 | | | | | | 0.31 | |
| 5 | | | | | | | 2.08 | | 0.18 | | 0.28 | |
| 6 | | 0.36 | | | | | 0.03 | | | | 0.68 | |
| 7 | | 2.44 | | | | | | | | | | 1.29 |
| 8 | | 0.22 | | | | | | | | | | |
| 9 | 0.09 | | | | | | | | | | | |
| 10 | | | | 0.10 | | | | 1.12 | | | | |
| 11 | 0.35 | | | 0.10 | | | | 1.24 | | | | 0.04 |
| 12 | | | | | | | 0.64 | | 0.15 | | | |
| 13 | | | | 0.03 | | | | | | | | |
| 14 | | | | | T | | | | | | 1.05 | |
| 15 | 1.15 | 0.10 | 1.09 | | | | | | | | | 0.32 |
| 16 | | | | | 0.32 | | | 0.16 | 0.40 | | | |
| 17 | | | | | | 0.39 | | 0.14 | | 0.34 | | |
| 18 | | | | | | | | | 0.07 | | | |
| 19 | | | | 2.39 | | | | | | | | |
| 20 | | | T | | | | 3.10 | | 0.12 | | 0.21 | |
| 21 | 0.53 | | 2.00 | | | | | | | 0.28 | 0.63 | |
| 22 | | | | | | | | | | | | |
| 23 | | | 3.30 | 0.23 | | | | 0.47 | | | | |
| 24 | | | | | | | | | 0.05 | | | |
| 25 | | | | | | | | 3.64 | | | | |
| 26 | | T | | | | | | | | | 1.05 | |
| 27 | | | | | 0.07 | | | | 0.08 | T | | |
| 28 | | | | | | | 0.44 | | 0.11 | | | |
| 29 | | | 0.10 | | | | 0.11 | 0.13 | | | | |
| 30 | | | | | | | 0.85 | | | T | | 0.35 |
| 31 | 0.14 | | | 0.09 | | T | | | | | | 0.35 |
| Total | 2.33 | 3.35 | 6.49 | 2.94 | 1.55 | 0.39 | 7.25 | 6.95 | 1.16 | 1.11 | 5.94 | 2.35 |

TABLE X

DAILY PRECIPITATION RECORDED FROM MAY 1 THROUGH OCTOBER 31
NEAR THE CADDO PEANUT RESEARCH STATION,
FT. COBB, OKLAHOMA, 1965 AND 1966

| Day of Mo. | 1965 | | | | | | 1966 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | May | June | July | Aug. | Sept. | Oct. | May | June | July | Aug. | Sept. | Oct. |
| 1 | | | | T | 0.02 | | 0.02 | 0.58 | | | 0.13 | |
| 2 | | 1.40 | | | | | 0.06 | 0.02 | | 0.20 | | |
| 3 | | T | | | | | | | | | 0.08 | |
| 4 | | T | | | | 0.01 | | | | | | |
| 5 | | 0.07 | T | | | 0.01 | | | | 0.01 | | |
| 6 | | 0.02 | 0.06 | T | | | | | | | | |
| 7 | | | | 0.68 | | | | | | 0.08 | | |
| 8 | | | | 0.06 | | | | | | | | |
| 9 | 0.88 | | 0.03 | | | | | 1.36 | | | | |
| 10 | 0.20 | | | 0.07 | | | | | | 0.24 | | |
| 11 | T | | | | | | 0.01 | | | 1.15 | | |
| 12 | T | | | | | | | | | | | |
| 13 | | 1.85 | | | | | | | | T | 0.29 | |
| 14 | 2.05 | | | 0.22 | | | | | | 0.60 | | |
| 15 | | | | 0.10 | | | | | | | | |
| 16 | | 0.06 | | | | | | 0.39 | | | 0.14 | |
| 17 | | | | | 0.05 | | | 0.33 | | | 0.15 | 0.20 |
| 18 | | | | | 0.10 | 1.39 | | 0.13 | | | 0.25 | 0.25 |
| 19 | | | | 0.38 | 1.86 | 0.33 | | | | 0.91 | | |
| 20 | | | | 1.15 | 0.77 | | | | | | | |
| 21 | | | | | 2.32 | | 0.70 | | | | | |
| 22 | | 1.05 | | | | | | | | 1.30 | | |
| 23 | | 0.08 | | | T | | | | 0.02 | 0.44 | | |
| 24 | T | | | | T | | | | | 2.12 | | |
| 25 | 0.10 | 0.35 | | | | | | | | | | |
| 26 | 0.26 | 0.02 | 0.02 | | | | | | 0.02 | | | |
| 27 | | | | | | | | 0.01 | | | T | |
| 28 | 0.52 | | 0.14 | 0.27 | | | | | | | 1.94 | |
| 29 | | | T | | | | | | | | | |
| 30 | | | | | 0.01 | | | | | | | |
| 31 | 0.05 | | | | | | | | | 0.36 | | |
| Total | 4.06 | 4.90 | 0.25 | 2.93 | 5.13 | 1.74 | 0.79 | 2.82 | 0.04 | 7.41 | 2.98 | 0.45 |

TABLE XI

PRECIPITATION RECORDED FROM MAY 1 THROUGH OCTOBER 31
NEAR THE PERKINS AND FT. COBB AGRONOMY
RESEARCH STATIONS BY 10 DAY INTERVALS

| | Days | | Perkins | | | | Ft. Cobb | |
|---|---|---|---|---|---|---|---|---|
| | | | 1964 | 1965 | 1966 | 1967 | 1965 | 1966 |
| May | 1-10 | | 3.31 | 3.06 | 0.16 | 2.11 | 1.08 | 0.08 |
| | 11-20 | | 0.00 | 0.98 | 1.50 | 3.74 | 2.05 | 0.01 |
| | 21-30 | | 1.30 | 0.20 | 0.53 | 1.40 | 0.88 | 0.70 |
| May | 31-June | 9 | 0.34 | 0.90 | 3.39 | 0.05 | 1.54 | 1.96 |
| June | 10-19 | | 0.14 | 2.61 | 0.10 | 2.66 | 1.91 | 0.85 |
| | 20-29 | | 0.84 | 1.11 | 0.00 | 4.24 | 1.50 | 0.01 |
| June | 30-July | 9 | 0.41 | 1.69 | 0.00 | 0.18 | 0.09 | 0.00 |
| July | 10-19 | | 0.00 | 0.00 | 1.09 | 0.62 | 0.00 | 0.00 |
| | 20-29 | | 0.29 | 0.23 | 5.40 | 0.36 | 0.16 | 0.04 |
| July | 30-Aug. | 8 | 0.40 | 0.32 | 0.00 | 0.49 | 0.74 | 0.29 |
| Aug. | 9-18 | | 1.89 | 0.00 | 0.23 | 0.34 | 0.39 | 1.99 |
| | 19-28 | | 4.14 | 2.12 | 2.62 | 0.28 | 1.80 | 4.77 |
| Aug. | 29-Sept. | 9 | 0.00 | 1.32 | 1.25 | 3.00 | 0.02 | 0.57 |
| Sept. | 8-17 | | 2.45 | 1.49 | 0.32 | 1.05 | 0.05 | 0.58 |
| | 18-27 | | 0.62 | 6.53 | 0.07 | 1.89 | 5.05 | 0.25 |
| Sept. | 28-Oct. | 7 | 0.00 | 0.05 | 0.00 | 1.29 | 0.03 | 1.94 |
| Oct. | 8-17 | | 0.21 | 0.00 | 0.39 | 0.36 | 0.00 | 0.20 |
| | 18-27 | | 0.44 | 0.69 | 0.00 | 0.00 | 1.72 | 0.25 |
| Totals | | | 16.78 | 22.98 | 17.05 | 24.06 | 19.01 | 14.49 |

TABLE XII

SUMMARY FOR THE MEAN YIELD FOR 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Okla. P-No. | Perkins | | | Ft. Cobb | | | Mean of Four Tests |
|---|---|---|---|---|---|---|---|
| | 1965 | 1966 | Mean | 1965 | 1966 | Mean | |
| 2 | 862.0 | 1466.7 | 1164.4 | 3651.0 | 2548.0 | 3099.5 | 2131.9 |
| 4 | 726.0 | 1452.0 | 1089.0 | 3843.5 | 2590.7 | 3217.1 | 2153.0 |
| 6 | 862.0 | 1361.3 | 1111.6 | 3736.5 | 2534.0 | 3135.2 | 2123.4 |
| 17 | 816.5 | 1497.0 | 1156.8 | 2882.5 | 2405.7 | 2644.1 | 1900.4 |
| 22 | 1089.0 | 1935.7 | 1512.4 | 3203.0 | 2719.0 | 2961.0 | 2236.7 |
| 25 | 363.0 | 1195.0 | 779.0 | 1687.0 | 1850.7 | 1768.8 | 1273.9 |
| 293 | 725.5 | 1194.7 | 960.1 | 2562.5 | 2192.0 | 2377.2 | 1668.7 |
| 294 | 703.0 | 1210.0 | 956.5 | 2669.0 | 1793.3 | 2231.2 | 1593.8 |
| 295 | 703.0 | 1406.3 | 1054.6 | 2669.0 | 2889.7 | 2779.4 | 1917.0 |
| 301 | 726.0 | 1164.3 | 945.2 | 2775.5 | 2804.0 | 2789.8 | 1867.4 |
| 304 | 703.0 | 1270.3 | 986.6 | 2476.5 | 2718.7 | 2597.6 | 1792.1 |
| 309 | 544.5 | 1073.7 | 809.1 | 1985.5 | 1751.0 | 1868.2 | 1338.7 |
| 315 | 544.5 | 1104.0 | 824.2 | 2669.0 | 2633.7 | 2651.4 | 1737.8 |
| 317 | 544.5 | 983.0 | 763.8 | 2861.0 | 2306.0 | 2583.5 | 1673.6 |
| 340 | 340.0 | 559.3 | 449.6 | 1815.0 | 1181.7 | 1498.4 | 974.0 |
| 342 | 385.5 | 408.3 | 396.9 | 2242.0 | 1608.7 | 1925.4 | 1161.1 |
| 370 | 408.0 | 650.3 | 529.2 | 2306.0 | 1253.0 | 1779.5 | 1154.3 |
| 397 | 340.5 | 1028.3 | 684.4 | 2306.0 | 1622.7 | 1964.4 | 1324.4 |
| 415 | 476.5 | 1421.7 | 949.1 | 2882.5 | 1893.3 | 2387.9 | 1668.5 |
| 419 | 635.5 | 756.3 | 695.9 | 2455.5 | 1637.0 | 2046.2 | 1371.1 |
| 431 | 884.5 | 1028.3 | 956.4 | 3160.0 | 2619.3 | 2889.6 | 1923.0 |
| 438 | 749.0 | 907.3 | 828.2 | 2349.0 | 1693.7 | 2021.4 | 1424.8 |
| 447 | 703.5 | 1089.0 | 896.2 | 2562.5 | 1551.7 | 2057.1 | 1476.8 |
| 451 | 431.0 | 801.7 | 616.4 | 2818.5 | 1452.0 | 2135.2 | 1375.8 |
| 463 | 748.5 | 1164.3 | 956.4 | 2861.5 | 2320.3 | 2590.9 | 1773.1 |
| 465 | 907.0 | 1073.7 | 990.4 | 2626.5 | 1551.7 | 2089.1 | 1539.7 |
| 471 | 703.0 | 998.0 | 850.5 | 2562.5 | 1822.0 | 2192.2 | 1521.4 |
| 477 | 680.5 | 937.7 | 809.1 | 1601.5 | 1068.0 | 1334.8 | 1071.9 |
| 501 | 499.0 | 937.7 | 718.4 | 1708.0 | 1580.0 | 1644.0 | 1181.2 |
| 512 | 748.5 | 1240.0 | 994.2 | 2669.0 | 2263.3 | 2466.2 | 1730.2 |
| 516 | 725.5 | 1179.7 | 952.6 | 2263.0 | 1993.0 | 2128.0 | 1540.3 |
| 529 | 1179.5 | 1119.0 | 1149.2 | 2690.5 | 1765.0 | 2227.8 | 1688.5 |
| 532 | 658.0 | 665.3 | 661.6 | 2135.5 | 2092.3 | 2113.9 | 1387.8 |
| 552 | 884.5 | 1149.3 | 1016.9 | 2669.0 | 2434.3 | 2551.6 | 1784.3 |
| 560 | 454.0 | 907.3 | 680.6 | 2669.0 | 3160.0 | 2914.5 | 1797.6 |
| 561 | 612.5 | 1073.7 | 843.1 | 2242.0 | 2249.0 | 2245.5 | 1544.3 |
| 567 | 884.5 | 1497.0 | 1190.8 | 2477.0 | 2946.3 | 2711.6 | 1951.2 |

TABLE XII (Continued)

| Okla. P-No. | Perkins 1965 | Perkins 1966 | Perkins Mean | Ft. Cobb 1965 | Ft. Cobb 1966 | Ft. Cobb Mean | Mean of Four Tests |
|---|---|---|---|---|---|---|---|
| 577 | 862.0 | 1194.7 | 1028.4 | 3203.0 | 3018.0 | 3110.5 | 2069.4 |
| 581 | 363.0 | 619.7 | 491.4 | 1751.0 | 1637.0 | 1694.0 | 1092.7 |
| 591 | 476.0 | 907.3 | 691.6 | 1857.5 | 1708.3 | 1782.9 | 1237.3 |
| 592 | 590.0 | 680.7 | 635.4 | 2050.0 | 1978.7 | 2014.4 | 1324.8 |
| 598 | 386.0 | 680.3 | 533.2 | 1666.0 | 1138.7 | 1402.4 | 967.8 |
| 600 | 431.0 | 740.7 | 585.8 | 1900.5 | 1622.7 | 1761.6 | 1173.7 |
| 606 | 612.5 | 1134.3 | 873.4 | 2284.5 | 1366.3 | 1825.4 | 1349.4 |
| 608 | 272.0 | 741.0 | 506.5 | 1494.5 | 1139.0 | 1316.8 | 911.6 |
| 609 | 544.5 | 1694.0 | 1119.2 | 2178.0 | 2932.3 | 2555.2 | 1837.2 |
| 614 | 657.5 | 1134.3 | 895.9 | 2455.5 | 2135.3 | 2295.4 | 1595.6 |
| 634 | 703.0 | 1224.7 | 963.8 | 2775.5 | 2961.0 | 2868.2 | 1916.0 |
| 643 | 590.0 | 1315.7 | 952.8 | 2882.5 | 2776.0 | 2829.2 | 1891.0 |
| 644 | 635.0 | 1436.3 | 1035.6 | 2754.0 | 2477.0 | 2615.5 | 1825.6 |
| 654 | 590.0 | 1573.0 | 1081.5 | 2775.5 | 2078.0 | 2426.8 | 1754.1 |
| 675 | 408.0 | 1330.7 | 869.4 | 854.0 | 2206.7 | 1530.4 | 1199.8 |
| 678 | 476.5 | 1451.7 | 964.1 | 2306.5 | 2590.7 | 2448.6 | 1706.4 |
| 718 | 657.5 | 1013.7 | 835.6 | 2690.0 | 1992.7 | 2341.4 | 1588.5 |
| 731 | 408.5 | 1527.3 | 967.9 | 1794.0 | 2519.3 | 2156.6 | 1562.3 |
| 739 | 544.0 | 1209.7 | 876.8 | 1858.0 | 2348.7 | 2103.4 | 1490.1 |
| 745 | 340.5 | 1013.3 | 676.9 | 2199.0 | 2121.0 | 2160.0 | 1418.4 |
| 748 | 612.5 | 1134.3 | 873.4 | 2498.0 | 2733.0 | 2615.5 | 1744.4 |
| 807 | 476.5 | 831.3 | 653.9 | 1430.5 | 1523.0 | 1476.8 | 1065.3 |
| 808 | 363.0 | 589.7 | 476.4 | 1794.0 | 1907.3 | 1850.6 | 1163.5 |
| 819 | 249.5 | 604.7 | 427.1 | 1494.5 | 2206.3 | 1850.4 | 1138.8 |
| 824 | 408.0 | 968.0 | 688.0 | 2285.0 | 2178.0 | 2231.5 | 1459.8 |
| 828 | 612.0 | 1058.7 | 835.4 | 2839.5 | 2135.3 | 2487.4 | 1661.4 |
| 836 | 453.5 | 1179.7 | 816.6 | 2113.5 | 2021.3 | 2067.4 | 1442.0 |
| 839 | 385.5 | 786.3 | 585.9 | 1665.5 | 1039.0 | 1352.2 | 969.1 |
| 846 | 567.0 | 1285.3 | 926.2 | 1900.5 | 1793.7 | 1847.1 | 1386.6 |
| 855 | 408.5 | 922.3 | 665.4 | 2199.5 | 2149.7 | 2174.6 | 1420.0 |
| 860 | 522.0 | 983.0 | 752.5 | 2882.5 | 2719.0 | 2800.8 | 1776.6 |
| 861 | 431.0 | 1164.7 | 797.8 | 2883.0 | 2135.3 | 2509.2 | 1653.5 |
| 862 | 363.0 | 650.0 | 506.5 | 3075.0 | 2192.0 | 2633.5 | 1570.0 |
| 873 | 476.5 | 1285.7 | 881.1 | 2947.0 | 2534.0 | 2740.5 | 1810.8 |
| 881 | 431.0 | 1073.7 | 752.4 | 2839.5 | 2249.0 | 2544.2 | 1648.3 |
| 882 | 499.0 | 862.0 | 680.5 | 2028.5 | 1495.0 | 1761.8 | 1221.1 |
| 885 | 272.5 | 589.7 | 431.1 | 1238.0 | 996.3 | 1117.2 | 774.1 |
| 887 | 363.0 | 892.3 | 627.6 | 2028.5 | 1708.3 | 1868.4 | 1248.0 |
| 889 | 385.5 | 635.0 | 510.2 | 1815.0 | 1067.7 | 1441.4 | 975.8 |
| 893 | 544.0 | 998.0 | 771.0 | 2519.5 | 1938.0 | 2228.8 | 1499.9 |
| Mean | 575.6 | 1065.2 | 820.4 | 2389.0 | 2064.4 | 2226.7 | 1523.6 |
| LSD .05 | 296.0 | 391.7 | 267.2 | 853.4 | 625.2 | 497.7 | |
| CV (%) | 26.0 | 22.7 | 26.1 | 18.0 | 18.7 | 17.9 | |

TABLE XIII

MEAN YIELD, TOTAL SOUND MATURE KERNELS, SOUND SPLITS, OTHER KERNELS, DAMAGED KERNELS, SEED SIZE, PLANT HEIGHT AND WIDTH FOR 1967 AT THE AGRONOMY RESEARCH STATION NEAR PERKINS, OKLAHOMA

| Okla. P-No. | Yield (lb/A) | Total SMK (%) | SS (%) | OK (%) | DK (%) | Seed Size gms/100 | Height (cm) | Width (cm) |
|---|---|---|---|---|---|---|---|---|
| 2 | 1267 | 65.5 | 5.5 | 8.0 | 0.0 | 34.9 | 38.3 | 71.0 |
| 4 | 1297 | 62.0 | 9.0 | 9.0 | 2.0 | 32.7 | 35.7 | 68.3 |
| 6 | 1301 | 65.5 | 5.0 | 7.0 | 2.5 | 36.8 | 37.3 | 74.0 |
| 22 | 1134 | 61.5 | 7.0 | 11.5 | 1.0 | 33.3 | 30.0 | 61.6 |
| 552 | 1164 | 63.5 | 3.0 | 10.0 | 1.5 | 35.5 | 37.7 | 70.7 |
| 567 | 1271 | 66.0 | 2.0 | 7.0 | 1.0 | 42.9 | 35.7 | 63.0 |
| 577 | 1226 | 60.0 | 7.0 | 8.5 | 3.0 | 38.8 | 35.0 | 72.7 |
| 609 | 1332 | 56.0 | 4.0 | 9.0 | 4.0 | 38.4 | 33.7 | 65.0 |
| 678 | 1439 | 62.5 | 5.5 | 9.5 | 1.5 | 37.5 | 37.7 | 75.0 |
| 861 | 1289 | 59.5 | 3.0 | 8.0 | 2.0 | 47.5 | 40.0 | 73.7 |
| Mean | 1272 | 62.2 | 5.1 | 8.8 | 1.9 | 37.9 | 36.1 | 69.5 |
| LSD.05 | N.S. | 3.4 | 2.9 | N.S. | N.S. | 4.1 | 4.8 | 7.6 |
| CV (%) | 9.6 | 2.4 | 25.1 | 15.0 | 75.0 | 4.8 | 8.1 | 6.3 |

TABLE XIV

SUMMARY FOR THE MEAN PERCENTAGE OF TOTAL SOUND MATURE KERNELS FOR 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Okla. | Perkins | | | Ft. Cobb | | | Mean of Four |
|---|---|---|---|---|---|---|---|
| P-No. | 1965 | 1966 | Mean | 1965 | 1966 | Mean | Tests |
| 2 | 54.0 | 65.0 | 59.5 | 72.5 | 69.0 | 70.8 | 65.1 |
| 4 | 39.0 | 58.5 | 48.8 | 71.5 | 69.5 | 70.5 | 59.6 |
| 6 | 42.0 | 61.0 | 51.5 | 71.5 | 69.0 | 70.2 | 60.9 |
| 17 | 44.0 | 59.0 | 51.5 | 70.5 | 69.0 | 69.8 | 60.6 |
| 22 | 51.0 | 57.5 | 54.2 | 66.5 | 70.5 | 68.5 | 61.4 |
| 25 | 30.0 | 16.5 | 23.2 | 59.5 | 65.5 | 62.5 | 42.9 |
| 293 | 43.5 | 60.0 | 51.8 | 71.5 | 72.0 | 71.8 | 61.8 |
| 294 | 44.0 | 60.5 | 52.2 | 68.5 | 68.5 | 68.5 | 60.4 |
| 295 | 46.0 | 59.5 | 52.8 | 71.5 | 69.0 | 70.2 | 61.5 |
| 301 | 41.5 | 67.0 | 54.2 | 73.0 | 72.0 | 72.5 | 63.4 |
| 304 | 34.5 | 64.5 | 49.5 | 72.5 | 72.0 | 72.2 | 60.9 |
| 309 | 49.0 | 63.0 | 56.0 | 73.5 | 74.5 | 74.0 | 65.0 |
| 315 | 47.5 | 64.5 | 56.0 | 71.0 | 67.0 | 69.0 | 69.0 |
| 317 | 39.0 | 55.0 | 47.0 | 69.5 | 68.5 | 69.0 | 58.0 |
| 340 | 42.0 | 58.5 | 50.2 | 75.5 | 71.0 | 73.2 | 61.8 |
| 342 | 40.0 | 62.5 | 51.2 | 66.5 | 66.0 | 66.2 | 58.8 |
| 370 | 44.0 | 60.0 | 52.0 | 72.0 | 70.5 | 71.2 | 61.6 |
| 397 | 48.0 | 62.5 | 55.2 | 41.5 | 74.0 | 72.8 | 64.0 |
| 415 | 43.5 | 64.5 | 54.0 | 72.5 | 72.0 | 72.2 | 63.1 |
| 419 | 32.5 | 54.5 | 43.5 | 72.5 | 68.0 | 70.2 | 56.9 |
| 431 | 50.0 | 65.5 | 57.8 | 73.5 | 72.0 | 72.8 | 65.2 |
| 438 | 51.5 | 61.0 | 56.2 | 72.5 | 72.5 | 72.5 | 64.4 |
| 447 | 49.5 | 62.5 | 56.0 | 71.5 | 73.0 | 72.5 | 64.4 |
| 451 | 41.0 | 64.5 | 52.8 | 68.5 | 66.0 | 67.2 | 60.0 |
| 463 | 49.0 | 65.0 | 57.0 | 71.5 | 70.0 | 70.8 | 63.9 |
| 465 | 59.0 | 65.5 | 62.2 | 73.0 | 71.5 | 72.2 | 67.2 |
| 471 | 56.0 | 66.5 | 61.2 | 69.0 | 70.0 | 69.5 | 65.4 |
| 477 | 46.0 | 65.5 | 55.8 | 69.0 | 70.5 | 69.8 | 62.8 |
| 501 | 39.5 | 62.5 | 51.0 | 65.5 | 68.0 | 66.8 | 58.9 |
| 512 | 39.5 | 61.5 | 50.5 | 68.0 | 68.5 | 68.2 | 59.4 |
| 516 | 57.5 | 66.0 | 61.8 | 70.5 | 71.5 | 71.0 | 66.4 |
| 529 | 48.5 | 62.5 | 55.5 | 70.5 | 71.5 | 71.0 | 63.2 |
| 532 | 49.0 | 60.5 | 54.8 | 70.0 | 67.0 | 68.5 | 61.6 |
| 552 | 61.0 | 66.0 | 63.5 | 73.5 | 73.5 | 73.5 | 68.5 |
| 560 | 51.0 | 65.5 | 58.2 | 73.5 | 70.5 | 72.0 | 65.1 |
| 561 | 38.5 | 63.0 | 50.8 | 72.0 | 71.0 | 71.5 | 61.1 |
| 567 | 58.5 | 68.0 | 63.2 | 72.0 | 72.0 | 72.0 | 67.6 |

TABLE XIV (Continued)

| Okla. P-No. | Perkins 1965 | Perkins 1966 | Perkins Mean | Ft. Cobb 1965 | Ft. Cobb 1966 | Ft. Cobb Mean | Mean of Four Tests |
|---|---|---|---|---|---|---|---|
| 577 | 44.5 | 62.5 | 53.5 | 68.5 | 69.0 | 68.8 | 61.1 |
| 581 | 43.5 | 64.5 | 54.0 | 75.5 | 72.5 | 74.0 | 64.0 |
| 591 | 54.0 | 62.5 | 58.2 | 73.5 | 74.0 | 73.8 | 66.0 |
| 592 | 44.0 | 61.5 | 52.8 | 75.0 | 72.5 | 73.8 | 63.2 |
| 598 | 42.5 | 60.5 | 51.5 | 77.0 | 71.0 | 74.0 | 62.8 |
| 600 | 48.0 | 65.0 | 56.5 | 78.5 | 70.0 | 74.2 | 65.4 |
| 606 | 28.0 | 65.0 | 46.5 | 70.5 | 69.5 | 70.0 | 58.2 |
| 608 | 39.0 | 62.0 | 50.5 | 76.5 | 70.0 | 73.2 | 61.9 |
| 609 | 51.5 | 61.0 | 56.2 | 70.5 | 68.0 | 69.2 | 62.8 |
| 614 | 37.5 | 61.5 | 49.5 | 69.0 | 68.0 | 68.5 | 59.0 |
| 634 | 37.5 | 65.0 | 51.2 | 70.0 | 66.5 | 68.2 | 59.8 |
| 643 | 44.0 | 63.0 | 53.5 | 71.5 | 66.5 | 69.0 | 51.2 |
| 644 | 46.5 | 62.0 | 54.2 | 71.5 | 66.5 | 69.0 | 61.6 |
| 654 | 50.5 | 66.5 | 58.5 | 73.5 | 70.5 | 72.0 | 65.2 |
| 675 | 64.0 | 65.5 | 64.8 | 71.5 | 66.0 | 68.8 | 66.8 |
| 678 | 65.0 | 64.0 | 64.5 | 73.0 | 71.5 | 72.2 | 68.4 |
| 718 | 48.5 | 65.5 | 57.0 | 73.5 | 69.0 | 71.2 | 64.1 |
| 731 | 57.0 | 61.0 | 59.0 | 72.5 | 69.5 | 71.0 | 65.0 |
| 739 | 52.5 | 68.0 | 60.2 | 69.0 | 65.0 | 67.0 | 63.6 |
| 745 | 37.5 | 62.5 | 50.0 | 73.5 | 69.0 | 71.2 | 60.6 |
| 748 | 51.5 | 65.0 | 58.2 | 77.0 | 73.0 | 75.0 | 66.6 |
| 807 | 39.0 | 61.0 | 50.0 | 73.5 | 71.5 | 72.5 | 61.2 |
| 808 | 22.0 | 57.0 | 39.5 | 70.5 | 70.5 | 70.5 | 55.0 |
| 819 | 48.0 | 59.0 | 53.5 | 72.0 | 68.5 | 70.2 | 61.9 |
| 824 | 50.5 | 60.5 | 55.5 | 73.0 | 71.0 | 72.0 | 63.8 |
| 828 | 47.0 | 61.0 | 54.0 | 71.5 | 71.0 | 71.2 | 62.6 |
| 836 | 41.5 | 59.5 | 50.5 | 71.5 | 69.0 | 70.2 | 60.4 |
| 839 | 39.0 | 60.0 | 49.5 | 70.0 | 68.0 | 69.0 | 59.2 |
| 846 | 47.5 | 60.5 | 54.0 | 65.5 | 65.0 | 65.2 | 59.6 |
| 855 | 51.0 | 63.0 | 57.0 | 71.5 | 69.5 | 70.5 | 63.8 |
| 860 | 42.0 | 59.5 | 50.8 | 71.0 | 70.5 | 70.8 | 60.8 |
| 861 | 48.0 | 64.0 | 56.0 | 72.0 | 70.5 | 71.2 | 63.6 |
| 862 | 24.5 | 58.0 | 41.2 | 71.5 | 68.0 | 69.8 | 55.5 |
| 873 | 49.0 | 65.0 | 57.0 | 74.0 | 71.5 | 72.8 | 64.9 |
| 881 | 45.0 | 61.5 | 53.2 | 74.0 | 69.5 | 71.8 | 62.5 |
| 882 | 48.5 | 57.0 | 52.8 | 72.0 | 70.0 | 71.0 | 61.9 |
| 885 | 31.5 | 58.5 | 45.0 | 72.0 | 67.5 | 69.8 | 57.4 |
| 887 | 48.5 | 66.0 | 57.2 | 72.5 | 72.0 | 72.2 | 64.8 |
| 889 | 40.0 | 67.0 | 53.5 | 73.5 | 69.5 | 71.5 | 62.5 |
| 893 | 48.0 | 63.5 | 55.8 | 72.5 | 72.5 | 72.5 | 64.1 |
| Mean | 45.4 | 61.8 | 53.6 | 71.6 | 69.9 | 70.7 | 62.2 |
| LSD .05 | 12.1 | 6.4 | 6.8 | 3.1 | 4.7 | 2.8 | |
| CV (%) | 13.4 | 5.2 | 9.1 | 2.2 | 3.4 | 2.8 | |

TABLE XV

SUMMARY FOR THE MEAN SOUND SPLITS PERCENTAGE FOR 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Okla. P-No. | Perkins | | | Ft. Cobb | | | Mean of Four Tests |
|---|---|---|---|---|---|---|---|
| | 1965 | 1966 | Mean | 1965 | 1966 | Mean | |
| 2 | 1.0 | 2.0 | 1.5 | 3.0 | 3.0 | 3.0 | 2.2 |
| 4 | 2.0 | 3.0 | 2.5 | 5.0 | 10.5 | 7.8 | 5.1 |
| 6 | 1.5 | 1.5 | 1.5 | 4.0 | 2.0 | 3.0 | 2.2 |
| 17 | 0.5 | 3.5 | 2.0 | 4.0 | 7.0 | 5.5 | 3.8 |
| 22 | 0.5 | 2.5 | 1.5 | 5.5 | 5.5 | 5.5 | 3.5 |
| 25 | 0.0 | 0.0 | 0.0 | 2.0 | 4.0 | 3.0 | 1.5 |
| 293 | 0.0 | 1.0 | 0.5 | 5.0 | 5.0 | 5.0 | 2.8 |
| 294 | 0.0 | 0.5 | 0.2 | 5.5 | 3.0 | 4.2 | 2.2 |
| 295 | 0.5 | 2.5 | 1.5 | 5.0 | 2.0 | 3.5 | 2.5 |
| 301 | 0.0 | 1.5 | 0.8 | 4.5 | 4.5 | 4.5 | 2.6 |
| 304 | 0.0 | 0.5 | 0.2 | 4.5 | 3.0 | 3.8 | 2.0 |
| 309 | 0.0 | 1.5 | 0.8 | 5.0 | 4.0 | 4.5 | 2.6 |
| 315 | 0.5 | 2.0 | 1.2 | 5.5 | 4.5 | 5.0 | 3.1 |
| 317 | 0.0 | 0.5 | 0.2 | 5.5 | 6.0 | 5.8 | 3.0 |
| 340 | 0.0 | 0.0 | 0.0 | 4.0 | 7.0 | 5.5 | 2.8 |
| 342 | 0.0 | 2.0 | 1.0 | 2.5 | 3.0 | 2.8 | 1.9 |
| 370 | 0.0 | 1.0 | 0.5 | 3.0 | 4.0 | 3.5 | 2.0 |
| 397 | 0.0 | 1.0 | 0.5 | 2.5 | 6.0 | 4.2 | 2.4 |
| 415 | 0.0 | 1.0 | 0.5 | 4.0 | 4.0 | 4.0 | 2.2 |
| 419 | 0.0 | 1.5 | 0.8 | 2.0 | 2.5 | 2.2 | 1.5 |
| 431 | 0.0 | 1.0 | 0.5 | 4.5 | 4.0 | 4.2 | 2.4 |
| 438 | 0.0 | 1.0 | 0.5 | 3.5 | 3.0 | 3.2 | 1.9 |
| 447 | 0.5 | 1.5 | 1.0 | 3.5 | 5.0 | 4.2 | 2.6 |
| 451 | 0.0 | 1.0 | 0.5 | 2.0 | 2.0 | 2.0 | 1.2 |
| 463 | 0.5 | 1.5 | 1.0 | 3.0 | 3.5 | 3.2 | 2.1 |
| 465 | 0.0 | 1.5 | 0.8 | 3.0 | 2.5 | 2.8 | 1.8 |
| 471 | 0.0 | 1.0 | 0.5 | 1.5 | 1.5 | 1.5 | 1.0 |
| 477 | 0.0 | 0.5 | 0.2 | 1.0 | 1.5 | 1.2 | 0.8 |
| 501 | 0.0 | 0.5 | 0.2 | 1.5 | 0.0 | 0.8 | 0.5 |
| 512 | 0.0 | 1.0 | 0.5 | 1.0 | 1.5 | 1.2 | 0.9 |
| 516 | 0.0 | 0.5 | 0.2 | 1.5 | 0.5 | 1.0 | 0.6 |
| 529 | 1.0 | 1.0 | 1.0 | 3.0 | 4.5 | 3.8 | 2.4 |
| 532 | 0.5 | 0.0 | 0.2 | 1.0 | 1.0 | 1.0 | 0.6 |
| 552 | 0.5 | 0.5 | 0.5 | 3.0 | 5.0 | 4.0 | 2.2 |
| 560 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 0.5 |
| 561 | 0.0 | 1.0 | 0.5 | 4.0 | 2.5 | 3.2 | 1.9 |
| 567 | 0.5 | 1.0 | 0.8 | 2.0 | 2.5 | 2.2 | 1.5 |

TABLE XV (Continued)

| Okla. P-No. | Perkins 1965 | Perkins 1966 | Perkins Mean | Ft. Cobb 1965 | Ft. Cobb 1966 | Ft. Cobb Mean | Mean of Four Tests |
|---|---|---|---|---|---|---|---|
| 577 | 0.0 | 2.0 | 1.0 | 5.5 | 3.5 | 4.5 | 2.8 |
| 581 | 0.0 | 1.5 | 0.8 | 5.5 | 3.0 | 4.2 | 2.5 |
| 591 | 1.0 | 0.0 | 0.5 | 4.0 | 3.0 | 3.5 | 2.0 |
| 592 | 0.0 | 1.0 | 0.5 | 3.5 | 3.0 | 3.2 | 1.9 |
| 598 | 0.0 | 1.5 | 0.8 | 8.0 | 4.5 | 6.2 | 3.5 |
| 600 | 0.0 | 1.0 | 0.5 | 5.5 | 5.0 | 5.2 | 2.9 |
| 606 | 0.0 | 0.5 | 0.2 | 1.0 | 1.0 | 1.0 | 0.6 |
| 608 | 0.0 | 1.0 | 0.5 | 7.0 | 5.5 | 6.2 | 3.4 |
| 609 | 1.0 | 1.5 | 1.2 | 4.5 | 3.0 | 3.8 | 2.5 |
| 614 | 0.0 | 1.5 | 0.8 | 5.5 | 3.5 | 4.5 | 2.6 |
| 634 | 0.0 | 1.0 | 0.5 | 4.0 | 3.5 | 3.8 | 2.1 |
| 643 | 0.0 | 1.0 | 0.5 | 5.5 | 3.5 | 4.5 | 2.5 |
| 644 | 1.0 | 1.0 | 1.0 | 5.0 | 3.0 | 4.0 | 2.5 |
| 654 | 0.5 | 2.5 | 1.5 | 5.0 | 4.0 | 4.5 | 3.0 |
| 675 | 2.0 | 2.5 | 2.2 | 4.5 | 2.5 | 3.5 | 2.9 |
| 678 | 2.5 | 2.5 | 2.5 | 4.5 | 5.5 | 5.0 | 3.8 |
| 718 | 0.5 | 2.0 | 1.2 | 6.0 | 4.5 | 5.2 | 3.2 |
| 731 | 4.5 | 2.5 | 3.5 | 8.0 | 5.0 | 6.5 | 5.0 |
| 739 | 0.5 | 1.5 | 1.0 | 3.0 | 2.0 | 2.5 | 1.8 |
| 745 | 0.5 | 1.0 | 0.8 | 5.5 | 5.0 | 5.2 | 3.0 |
| 748 | 0.0 | 1.0 | 0.5 | 3.5 | 3.0 | 3.2 | 1.9 |
| 807 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.8 | 0.4 |
| 808 | 0.0 | 0.0 | 0.0 | 2.0 | 1.5 | 1.8 | 0.9 |
| 819 | 0.0 | 0.0 | 0.0 | 2.0 | 0.0 | 1.0 | 0.5 |
| 824 | 1.0 | 1.0 | 1.0 | 3.0 | 4.0 | 3.5 | 2.2 |
| 828 | 0.0 | 0.5 | 0.2 | 4.5 | 3.0 | 3.8 | 2.0 |
| 836 | 0.5 | 1.0 | 0.8 | 7.0 | 2.5 | 4.8 | 2.8 |
| 839 | 0.5 | 0.5 | 0.5 | 3.5 | 2.0 | 2.8 | 1.6 |
| 846 | 0.5 | 2.0 | 1.2 | 2.5 | 2.0 | 2.2 | 1.8 |
| 855 | 0.5 | 1.5 | 1.0 | 5.0 | 2.5 | 3.8 | 2.4 |
| 860 | 0.0 | 1.0 | 0.5 | 3.0 | 4.5 | 3.8 | 2.1 |
| 861 | 0.5 | 1.0 | 0.8 | 4.5 | 3.5 | 4.0 | 2.4 |
| 862 | 0.0 | 0.0 | 0.0 | 4.5 | 3.0 | 3.8 | 1.9 |
| 873 | 1.0 | 3.0 | 2.0 | 8.0 | 4.5 | 6.2 | 4.1 |
| 881 | 0.0 | 2.0 | 1.0 | 6.0 | 3.5 | 4.8 | 2.9 |
| 882 | 0.5 | 0.5 | 0.5 | 3.5 | 3.5 | 3.5 | 2.0 |
| 885 | 0.5 | 1.0 | 0.8 | 2.5 | 1.5 | 2.0 | 1.4 |
| 887 | 0.0 | 0.5 | 0.2 | 3.5 | 4.0 | 3.8 | 2.0 |
| 889 | 0.0 | 1.5 | 0.8 | 2.5 | 1.5 | 2.0 | 1.4 |
| 893 | 0.0 | 1.5 | 0.8 | 3.0 | 5.0 | 4.0 | 2.4 |
| Mean | 0.4 | 1.2 | 0.8 | 3.9 | 3.4 | 3.6 | 2.2 |
| LSD .05 | 0.8 | 1.2 | 0.7 | 2.7 | 2.0 | 1.7 | |
| CV (%) | 110.0 | 51.3 | 65.6 | 35.0 | 30.4 | 33.4 | |

TABLE XVI

SUMMARY FOR THE MEAN PERCENTAGE OF OTHER KERNELS FOR 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Okla. P-No. | Perkins | | | Ft. Cobb | | | Mean of Four Tests |
|---|---|---|---|---|---|---|---|
| | 1965 | 1966 | Mean | 1965 | 1966 | Mean | |
| 2 | 8.5 | 5.0 | 6.8 | 2.5 | 6.0 | 4.2 | 5.5 |
| 4 | 15.0 | 14.5 | 14.8 | 4.5 | 7.0 | 5.8 | 10.2 |
| 6 | 13.5 | 7.5 | 10.5 | 3.0 | 5.0 | 4.0 | 7.2 |
| 17 | 16.0 | 14.5 | 15.2 | 4.0 | 5.5 | 4.8 | 10.0 |
| 22 | 12.5 | 15.0 | 13.8 | 6.5 | 6.5 | 6.5 | 10.1 |
| 25 | 27.0 | 52.0 | 39.5 | 13.0 | 8.5 | 10.8 | 25.1 |
| 293 | 8.0 | 7.5 | 7.8 | 2.0 | 2.0 | 2.0 | 4.9 |
| 294 | 8.5 | 5.5 | 7.0 | 1.5 | 3.0 | 2.2 | 4.6 |
| 295 | 14.0 | 10.0 | 12.0 | 2.0 | 5.0 | 3.5 | 7.8 |
| 301 | 12.5 | 3.5 | 8.0 | 2.0 | 4.0 | 3.0 | 5.5 |
| 304 | 13.5 | 5.5 | 9.5 | 3.0 | 5.0 | 4.0 | 6.8 |
| 309 | 10.0 | 7.5 | 8.8 | 2.0 | 3.5 | 2.8 | 5.8 |
| 315 | 9.0 | 6.0 | 7.5 | 3.0 | 5.5 | 4.2 | 5.9 |
| 317 | 11.0 | 10.5 | 10.8 | 2.5 | 4.5 | 3.5 | 7.1 |
| 340 | 12.5 | 9.0 | 10.8 | 2.0 | 7.0 | 4.5 | 7.6 |
| 342 | 8.0 | 4.0 | 6.0 | 3.0 | 5.0 | 4.0 | 5.0 |
| 370 | 12.0 | 10.0 | 11.0 | 2.0 | 4.0 | 3.0 | 7.0 |
| 397 | 10.0 | 7.5 | 8.8 | 2.5 | 4.0 | 3.2 | 6.0 |
| 415 | 10.0 | 5.0 | 7.5 | 2.0 | 3.5 | 2.8 | 5.1 |
| 419 | 12.0 | 12.5 | 12.2 | 1.0 | 3.5 | 2.2 | 7.2 |
| 431 | 13.0 | 4.0 | 8.5 | 2.5 | 4.5 | 3.5 | 6.0 |
| 438 | 12.0 | 9.0 | 10.5 | 3.0 | 4.0 | 3.5 | 7.0 |
| 447 | 8.5 | 5.0 | 6.8 | 1.0 | 3.0 | 2.0 | 4.4 |
| 451 | 11.0 | 4.0 | 7.5 | 2.0 | 5.5 | 3.8 | 5.6 |
| 463 | 12.5 | 6.0 | 9.2 | 1.5 | 4.0 | 2.8 | 6.0 |
| 465 | 11.0 | 8.5 | 9.8 | 2.5 | 4.0 | 3.2 | 6.5 |
| 471 | 11.0 | 6.0 | 8.5 | 4.7 | 5.5 | 5.1 | 6.8 |
| 477 | 14.5 | 7.0 | 10.8 | 6.0 | 6.0 | 6.0 | 8.4 |
| 501 | 18.0 | 8.0 | 13.0 | 7.0 | 7.0 | 7.0 | 10.0 |
| 512 | 25.0 | 14.5 | 19.8 | 8.5 | 9.0 | 8.8 | 14.2 |
| 516 | 9.0 | 6.5 | 7.8 | 4.0 | 4.5 | 4.2 | 6.0 |
| 529 | 10.5 | 9.0 | 9.8 | 3.5 | 5.0 | 4.2 | 7.0 |
| 532 | 8.5 | 6.0 | 7.2 | 4.0 | 5.5 | 4.8 | 6.0 |
| 552 | 7.5 | 8.5 | 8.0 | 2.0 | 4.0 | 3.0 | 5.5 |
| 560 | 10.5 | 5.0 | 7.8 | 2.0 | 5.5 | 3.8 | 5.8 |
| 561 | 14.5 | 8.5 | 11.5 | 3.0 | 4.5 | 3.8 | 7.6 |
| 567 | 8.0 | 4.5 | 6.2 | 2.0 | 3.5 | 2.8 | 4.5 |

TABLE XVI (Continued)

| Okla. P-No. | Perkins 1965 | Perkins 1966 | Perkins Mean | Ft. Cobb 1965 | Ft. Cobb 1966 | Ft. Cobb Mean | Mean of Four Tests |
|---|---|---|---|---|---|---|---|
| 577 | 10.5 | 6.0 | 8.2 | 2.0 | 4.0 | 3.0 | 5.6 |
| 581 | 11.0 | 6.0 | 8.5 | 1.5 | 5.0 | 3.2 | 5.9 |
| 591 | 8.0 | 8.0 | 8.0 | 2.5 | 3.5 | 3.0 | 5.5 |
| 592 | 12.5 | 8.5 | 10.5 | 2.0 | 3.5 | 2.8 | 6.6 |
| 598 | 15.5 | 10.0 | 12.8 | 2.0 | 7.0 | 4.5 | 8.6 |
| 600 | 14.0 | 8.5 | 11.2 | 2.0 | 6.0 | 4.0 | 7.6 |
| 606 | 37.0 | 9.5 | 23.2 | 6.0 | 6.5 | 6.2 | 14.8 |
| 608 | 15.0 | 10.5 | 12.8 | 2.0 | 7.0 | 4.5 | 8.6 |
| 609 | 6.5 | 7.0 | 6.8 | 2.5 | 4.0 | 3.2 | 5.0 |
| 614 | 9.0 | 6.0 | 7.5 | 1.0 | 3.0 | 2.0 | 4.8 |
| 634 | 11.0 | 4.0 | 7.5 | 3.5 | 5.0 | 4.2 | 5.9 |
| 643 | 10.0 | 7.0 | 8.5 | 2.0 | 7.0 | 4.5 | 6.5 |
| 644 | 8.0 | 8.0 | 8.0 | 2.5 | 7.5 | 10.0 | 6.5 |
| 654 | 10.5 | 6.5 | 8.5 | 2.5 | 5.5 | 4.0 | 6.2 |
| 675 | 5.5 | 6.5 | 6.0 | 4.5 | 6.5 | 5.5 | 5.8 |
| 678 | 5.0 | 8.5 | 6.8 | 3.5 | 4.5 | 4.0 | 5.4 |
| 718 | 9.0 | 8.5 | 8.8 | 2.0 | 4.0 | 3.0 | 5.9 |
| 731 | 9.5 | 12.5 | 11.0 | 4.0 | 5.0 | 4.5 | 7.8 |
| 739 | 8.0 | 3.5 | 5.8 | 3.5 | 5.0 | 4.2 | 5.0 |
| 745 | 8.5 | 5.0 | 6.8 | 1.0 | 3.0 | 2.0 | 4.4 |
| 748 | 10.0 | 6.5 | 8.2 | 2.0 | 4.5 | 3.2 | 5.8 |
| 807 | 12.0 | 5.0 | 8.5 | 1.5 | 3.0 | 2.2 | 5.4 |
| 808 | 13.0 | 5.5 | 9.2 | 2.5 | 3.0 | 2.8 | 6.0 |
| 819 | 13.0 | 8.0 | 10.5 | 3.0 | 5.0 | 4.0 | 7.2 |
| 824 | 4.5 | 7.0 | 5.8 | 2.0 | 2.5 | 2.2 | 4.0 |
| 828 | 9.0 | 5.5 | 7.2 | 1.0 | 3.0 | 2.0 | 4.6 |
| 836 | 6.0 | 6.5 | 6.2 | 1.0 | 3.0 | 2.0 | 4.1 |
| 839 | 10.5 | 6.5 | 8.5 | 1.5 | 4.0 | 2.8 | 5.6 |
| 846 | 12.5 | 10.5 | 11.5 | 6.0 | 8.5 | 7.2 | 9.4 |
| 855 | 8.5 | 9.5 | 9.0 | 4.0 | 6.5 | 5.2 | 7.1 |
| 860 | 10.0 | 7.5 | 8.8 | 1.0 | 2.0 | 1.5 | 5.1 |
| 861 | 7.0 | 4.0 | 5.5 | 2.0 | 3.5 | 2.8 | 4.1 |
| 862 | 14.0 | 8.5 | 11.2 | 2.0 | 3.5 | 2.8 | 7.0 |
| 873 | 8.0 | 3.5 | 5.8 | 2.0 | 1.5 | 1.8 | 3.8 |
| 881 | 14.0 | 5.5 | 9.8 | 1.0 | 4.0 | 2.5 | 6.1 |
| 882 | 8.0 | 8.0 | 8.0 | 1.5 | 3.0 | 2.2 | 5.1 |
| 885 | 14.0 | 4.5 | 9.2 | 2.0 | 4.5 | 3.2 | 6.2 |
| 887 | 9.0 | 3.0 | 6.0 | 1.5 | 3.5 | 2.5 | 4.2 |
| 889 | 11.0 | 5.0 | 8.0 | 1.5 | 5.0 | 3.2 | 5.6 |
| 893 | 7.5 | 5.0 | 6.2 | 1.5 | 2.5 | 2.0 | 4.1 |
| Mean | 11.4 | 7.9 | 9.6 | 2.8 | 4.7 | 3.8 | 6.7 |
| LSD .05 | 4.2 | 4.1 | 2.9 | 2.0 | 2.9 | 1.7 | |
| CV (%) | 26.1 | 26.4 | 21.6 | 35.1 | 30.7 | 32.2 | |

TABLE XVII

SUMMARY FOR THE MEAN SEED SIZE1/ (gms/100) FOR 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Okla. P-No. | Perkins | | | Ft. Cobb | | | Mean of Four Tests |
|---|---|---|---|---|---|---|---|
| | 1965 | 1966 | Mean | 1965 | 1966 | Mean | |
| 2 | 30.3 | 34.1 | 32.2 | 40.9 | 37.5 | 39.2 | 35.7 |
| 4 | 27.1 | 30.5 | 28.8 | 34.6 | 33.6 | 34.1 | 31.4 |
| 6 | 28.5 | 33.6 | 31.0 | 40.3 | 40.8 | 40.6 | 35.8 |
| 17 | 24.3 | 31.6 | 28.0 | 24.3 | 36.3 | 35.3 | 31.6 |
| 22 | 22.8 | 30.6 | 26.7 | 34.4 | 34.7 | 34.6 | 30.6 |
| 25 | 27.0 | 30.4 | 28.7 | 38.9 | 40.7 | 39.8 | 34.2 |
| 293 | 27.5 | 39.0 | 33.2 | 47.6 | 48.9 | 48.2 | 40.8 |
| 294 | 30.0 | 40.7 | 35.4 | 46.3 | 47.9 | 47.1 | 41.2 |
| 295 | 26.3 | 34.1 | 30.2 | 39.1 | 39.8 | 39.4 | 34.8 |
| 301 | 25.7 | 34.3 | 30.0 | 40.2 | 39.4 | 39.8 | 34.9 |
| 304 | 26.3 | 33.5 | 29.9 | 38.8 | 37.4 | 38.1 | 34.0 |
| 309 | 29.5 | 40.2 | 34.8 | 43.7 | 45.3 | 44.5 | 39.7 |
| 315 | 26.4 | 32.7 | 29.6 | 39.1 | 38.4 | 38.8 | 34.2 |
| 317 | 26.8 | 36.3 | 31.6 | 44.1 | 45.9 | 45.0 | 38.3 |
| 340 | 27.1 | 33.3 | 30.2 | 39.1 | 37.9 | 38.5 | 34.4 |
| 342 | 33.8 | 39.3 | 36.6 | 40.0 | 41.1 | 40.6 | 38.6 |
| 370 | 27.8 | 37.4 | 32.6 | 43.2 | 44.8 | 44.0 | 38.3 |
| 397 | 30.5 | 39.6 | 35.0 | 41.0 | 42.6 | 41.8 | 38.4 |
| 415 | 29.8 | 38.4 | 34.1 | 41.9 | 42.1 | 42.0 | 38.0 |
| 419 | 27.4 | 37.8 | 32.6 | 47.1 | 46.2 | 46.6 | 39.6 |
| 431 | 30.1 | 36.7 | 33.4 | 42.5 | 41.9 | 42.2 | 38.0 |
| 438 | 29.4 | 36.7 | 33.0 | 41.5 | 40.9 | 41.2 | 37.1 |
| 447 | 30.7 | 41.8 | 36.2 | 49.2 | 48.0 | 48.6 | 42.4 |
| 451 | 27.2 | 39.1 | 33.2 | 44.2 | 41.3 | 42.8 | 37.9 |
| 463 | 28.6 | 38.7 | 33.6 | 43.2 | 42.6 | 42.9 | 38.3 |
| 465 | 31.0 | 37.3 | 34.2 | 44.1 | 42.0 | 43.0 | 38.6 |
| 471 | 32.2 | 30.7 | 36.0 | 39.0 | 37.0 | 38.0 | 37.0 |
| 477 | 32.4 | 47.9 | 40.2 | 43.2 | 40.6 | 41.9 | 41.0 |
| 501 | 30.3 | 43.0 | 36.6 | 41.2 | 42.6 | 41.9 | 39.3 |
| 512 | 24.4 | 32.5 | 28.4 | 32.7 | 32.5 | 32.6 | 30.5 |
| 516 | 31.4 | 40.5 | 36.0 | 39.9 | 38.5 | 39.2 | 37.6 |
| 529 | 26.6 | 31.4 | 29.0 | 36.8 | 35.2 | 36.0 | 32.5 |
| 532 | 32.9 | 47.3 | 40.1 | 45.8 | 43.0 | 44.4 | 42.2 |
| 552 | 29.2 | 31.9 | 30.6 | 42.1 | 38.6 | 40.4 | 35.4 |
| 560 | 31.3 | 39.1 | 35.2 | 40.5 | 40.3 | 40.4 | 37.8 |

1/Seed size determined from those kernels riding a 15/64-inch x 3/4-inch slotting sieve.

TABLE XVII (Continued)

| Okla. P-No. | Perkins 1965 | Perkins 1966 | Perkins Mean | Ft. Cobb 1965 | Ft. Cobb 1966 | Ft. Cobb Mean | Mean of Four Tests |
|---|---|---|---|---|---|---|---|
| 561 | 26.3 | 38.0 | 32.2 | 44.4 | 42.2 | 43.3 | 37.7 |
| 567 | 30.2 | 38.7 | 34.4 | 44.8 | 44.2 | 44.5 | 39.5 |
| 577 | 26.6 | 34.9 | 30.8 | 42.8 | 40.4 | 41.6 | 36.2 |
| 581 | 27.5 | 39.0 | 33.2 | 41.3 | 47.1 | 44.2 | 38.7 |
| 591 | 29.3 | 40.5 | 34.9 | 44.1 | 45.6 | 44.8 | 39.9 |
| 592 | 27.8 | 38.3 | 33.0 | 43.3 | 41.6 | 42.4 | 37.8 |
| 598 | 25.3 | 35.2 | 30.2 | 45.4 | 38.6 | 42.0 | 36.1 |
| 600 | 26.8 | 32.2 | 29.5 | 40.3 | 39.8 | 40.0 | 34.8 |
| 606 | 26.5 | 31.7 | 29.1 | 34.6 | 33.7 | 34.2 | 31.6 |
| 608 | 26.2 | 33.9 | 30.0 | 40.4 | 38.0 | 39.2 | 34.6 |
| 609 | 29.8 | 35.0 | 32.4 | 40.3 | 40.4 | 40.4 | 36.4 |
| 614 | 28.1 | 38.3 | 33.2 | 44.2 | 44.5 | 44.4 | 38.8 |
| 634 | 25.6 | 31.5 | 28.6 | 36.3 | 37.8 | 37.0 | 32.8 |
| 643 | 26.2 | 33.3 | 29.8 | 41.0 | 37.4 | 39.2 | 34.5 |
| 644 | 26.7 | 32.3 | 29.5 | 38.6 | 36.8 | 37.7 | 33.6 |
| 654 | 28.2 | 32.7 | 30.4 | 41.0 | 37.3 | 39.2 | 34.8 |
| 675 | 35.3 | 33.6 | 34.4 | 38.4 | 37.3 | 37.8 | 36.2 |
| 678 | 36.0 | 34.9 | 35.4 | 41.4 | 40.8 | 41.1 | 38.3 |
| 718 | 29.3 | 35.0 | 32.2 | 42.3 | 40.1 | 41.2 | 36.7 |
| 731 | 31.6 | 31.1 | 31.4 | 34.8 | 34.5 | 34.6 | 33.0 |
| 739 | 33.0 | 38.1 | 35.6 | 38.6 | 38.2 | 38.4 | 37.0 |
| 745 | 29.5 | 38.5 | 34.0 | 49.2 | 48.4 | 48.8 | 41.4 |
| 748 | 27.9 | 35.3 | 31.6 | 43.1 | 40.9 | 42.0 | 36.8 |
| 807 | 31.7 | 45.2 | 38.4 | 50.6 | 45.5 | 48.0 | 43.2 |
| 808 | 28.0 | 44.9 | 36.4 | 48.3 | 49.5 | 48.9 | 42.7 |
| 819 | 39.7 | 45.7 | 42.7 | 46.6 | 45.2 | 45.9 | 44.3 |
| 824 | 38.8 | 45.0 | 41.9 | 56.4 | 50.9 | 53.6 | 47.8 |
| 828 | 33.9 | 41.1 | 37.5 | 53.0 | 50.3 | 51.6 | 44.6 |
| 836 | 35.1 | 46.3 | 40.7 | 53.2 | 49.6 | 51.4 | 46.0 |
| 839 | 32.8 | 48.5 | 40.6 | 47.4 | 48.3 | 47.8 | 44.2 |
| 846 | 29.8 | 41.0 | 35.4 | 41.5 | 38.4 | 40.0 | 37.7 |
| 855 | 32.2 | 41.9 | 37.0 | 45.8 | 41.8 | 43.8 | 40.4 |
| 860 | 30.2 | 39.4 | 34.8 | 47.7 | 44.7 | 46.2 | 40.5 |
| 861 | 35.5 | 41.6 | 38.6 | 47.3 | 44.7 | 46.0 | 42.3 |
| 862 | 30.4 | 38.3 | 34.4 | 47.8 | 46.5 | 47.2 | 40.8 |
| 873 | 31.2 | 40.9 | 36.0 | 52.2 | 48.8 | 50.5 | 43.3 |
| 881 | 30.9 | 39.7 | 35.3 | 55.9 | 48.2 | 52.0 | 43.7 |
| 882 | 33.0 | 42.1 | 37.6 | 54.2 | 48.4 | 51.3 | 44.4 |
| 885 | 27.0 | 43.0 | 35.0 | 47.1 | 42.8 | 45.0 | 40.0 |
| 887 | 30.3 | 42.7 | 36.5 | 48.5 | 45.6 | 47.0 | 41.8 |
| 889 | 30.0 | 46.2 | 38.1 | 49.0 | 44.1 | 46.6 | 42.3 |
| 893 | 34.5 | 42.1 | 38.3 | 50.2 | 49.3 | 49.8 | 44.0 |
| Mean | 29.6 | 37.9 | 33.8 | 43.3 | 42.0 | 42.6 | 38.2 |
| LSD .05 | 3.5 | 2.9 | 2.2 | 3.8 | 3.5 | 2.5 | |
| CV (%) | 6.0 | 3.8 | 4.4 | 4.1 | 4.3 | | |

TABLE XVIII

SUMMARY FOR THE MEAN PLANT HEIGHT IN CENTIMETERS FOR 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Okla. P-No. | Perkins | | | Ft. Cobb | | | Mean of Four Tests |
|---|---|---|---|---|---|---|---|
| | 1965 | 1966 | Mean | 1965 | 1966 | Mean | |
| 2 | 35.6 | 39.9 | 37.8 | 54.6 | 68.6 | 61.6 | 49.7 |
| 4 | 33.0 | 38.1 | 35.6 | 58.4 | 58.4 | 58.4 | 47.0 |
| 6 | 34.3 | 38.1 | 36.2 | 61.0 | 64.3 | 62.7 | 49.4 |
| 17 | 34.3 | 43.2 | 38.8 | 64.8 | 61.7 | 63.3 | 51.0 |
| 22 | 30.5 | 38.1 | 34.3 | 57.2 | 66.0 | 61.6 | 48.0 |
| 25 | 21.6 | 33.0 | 27.3 | 45.7 | 60.2 | 53.0 | 40.1 |
| 293 | 35.6 | 39.9 | 37.8 | 61.0 | 71.1 | 66.1 | 51.9 |
| 294 | 29.2 | 34.8 | 32.0 | 54.6 | 62.7 | 58.7 | 45.3 |
| 295 | 31.8 | 38.1 | 35.0 | 61.0 | 62.7 | 61.9 | 48.4 |
| 301 | 35.6 | 36.3 | 36.0 | 67.3 | 70.4 | 68.9 | 52.4 |
| 304 | 34.3 | 39.9 | 37.1 | 62.2 | 71.9 | 67.1 | 52.1 |
| 309 | 33.0 | 39.9 | 36.5 | 53.3 | 69.3 | 61.3 | 49.0 |
| 315 | 34.3 | 38.9 | 36.6 | 62.2 | 67.8 | 65.0 | 50.8 |
| 317 | 36.8 | 39.9 | 38.4 | 62.2 | 73.7 | 68.0 | 53.2 |
| 340 | 44.5 | 41.4 | 43.0 | 66.0 | 77.0 | 71.5 | 57.2 |
| 342 | 35.6 | 37.3 | 36.5 | 76.2 | 71.1 | 73.7 | 55.1 |
| 370 | 31.8 | 33.8 | 32.8 | 68.6 | 68.6 | 68.6 | 50.7 |
| 397 | 33.0 | 41.4 | 37.2 | 59.7 | 69.3 | 64.5 | 50.9 |
| 415 | 29.2 | 41.4 | 35.3 | 55.9 | 60.2 | 58.1 | 46.7 |
| 419 | 36.8 | 36.3 | 36.6 | 64.8 | 71.9 | 68.4 | 52.5 |
| 431 | 36.8 | 33.0 | 34.9 | 57.2 | 57.7 | 57.5 | 46.2 |
| 438 | 40.6 | 41.4 | 41.0 | 55.9 | 70.4 | 63.2 | 52.1 |
| 447 | 31.8 | 30.5 | 31.2 | 47.0 | 53.3 | 50.2 | 40.7 |
| 451 | 39.4 | 35.6 | 37.5 | 54.6 | 65.3 | 60.0 | 48.7 |
| 463 | 38.1 | 40.6 | 39.4 | 58.4 | 64.3 | 61.4 | 50.4 |
| 465 | 43.2 | 41.4 | 42.3 | 68.6 | 75.4 | 72.0 | 57.2 |
| 471 | 45.7 | 47.5 | 46.6 | 76.2 | 78.7 | 77.5 | 62.0 |
| 477 | 47.0 | 53.3 | 50.2 | 73.7 | 85.6 | 79.7 | 64.9 |
| 501 | 48.3 | 50.8 | 49.6 | 77.5 | 78.0 | 77.8 | 63.7 |
| 512 | 40.6 | 41.4 | 41.0 | 59.7 | 66.0 | 62.9 | 51.9 |
| 516 | 45.7 | 45.7 | 45.7 | 87.6 | 76.2 | 81.9 | 63.8 |
| 529 | 43.2 | 38.1 | 40.7 | 76.2 | 67.8 | 72.0 | 56.3 |
| 532 | 49.5 | 43.9 | 46.7 | 73.7 | 84.6 | 79.2 | 62.9 |
| 552 | 34.3 | 38.9 | 36.6 | 62.2 | 74.4 | 68.3 | 52.5 |
| 560 | 35.6 | 34.8 | 35.2 | 59.7 | 61.7 | 60.7 | 48.0 |
| 561 | 35.6 | 37.3 | 36.5 | 63.5 | 70.4 | 67.0 | 51.7 |
| 567 | 38.1 | 38.9 | 38.5 | 63.5 | 59.2 | 61.4 | 49.9 |

TABLE XVIII (Continued)

| Okla. P-No. | Perkins 1965 | Perkins 1966 | Perkins Mean | Ft. Cobb 1965 | Ft. Cobb 1966 | Ft. Cobb Mean | Mean of Four Tests |
|---|---|---|---|---|---|---|---|
| 577 | 34.3 | 35.6 | 35.0 | 55.9 | 66.0 | 61.0 | 48.0 |
| 581 | 35.6 | 36.3 | 36.0 | 59.7 | 66.8 | 63.3 | 49.6 |
| 591 | 34.3 | 39.9 | 37.1 | 61.0 | 66.0 | 63.5 | 50.3 |
| 592 | 34.3 | 35.6 | 35.0 | 58.4 | 61.7 | 60.1 | 47.5 |
| 598 | 43.2 | 45.7 | 44.5 | 78.7 | 85.6 | 82.2 | 63.3 |
| 600 | 43.2 | 42.4 | 42.8 | 64.8 | 74.4 | 69.6 | 56.2 |
| 606 | 39.4 | 42.4 | 40.9 | 54.6 | 71.1 | 62.9 | 51.9 |
| 608 | 43.2 | 50.0 | 46.6 | 76.2 | 75.4 | 75.8 | 61.2 |
| 609 | 33.0 | 43.2 | 38.1 | 53.3 | 57.7 | 55.5 | 46.8 |
| 614 | 30.5 | 33.0 | 31.8 | 52.1 | 62.7 | 57.4 | 44.6 |
| 634 | 38.1 | 39.9 | 39.0 | 73.7 | 73.7 | 73.7 | 56.4 |
| 643 | 36.8 | 38.1 | 37.5 | 62.2 | 66.8 | 64.5 | 51.0 |
| 644 | 36.8 | 42.4 | 39.6 | 77.5 | 66.8 | 72.2 | 55.9 |
| 654 | 33.0 | 41.4 | 37.2 | 64.8 | 70.4 | 67.6 | 52.4 |
| 675 | 35.6 | 39.9 | 37.8 | 55.9 | 71.9 | 63.9 | 50.8 |
| 678 | 26.7 | 39.9 | 33.3 | 55.9 | 77.0 | 66.5 | 50.0 |
| 718 | 36.8 | 39.9 | 38.4 | 64.8 | 68.6 | 66.7 | 52.5 |
| 731 | 26.7 | 39.9 | 33.3 | 62.2 | 67.8 | 65.0 | 49.2 |
| 739 | 41.9 | 41.4 | 41.7 | 68.6 | 71.1 | 69.9 | 55.8 |
| 745 | 29.2 | 35.6 | 32.4 | 49.5 | 61.0 | 55.3 | 43.8 |
| 748 | 33.0 | 34.8 | 33.9 | 68.6 | 71.1 | 69.9 | 51.9 |
| 807 | 45.7 | 45.0 | 45.4 | 76.2 | 83.1 | 79.7 | 62.5 |
| 808 | 41.9 | 39.9 | 40.9 | 67.3 | 75.4 | 71.4 | 56.1 |
| 819 | 39.4 | 43.2 | 41.3 | 49.5 | 82.0 | 65.8 | 53.5 |
| 824 | 39.4 | 39.9 | 39.7 | 63.5 | 58.4 | 61.0 | 50.3 |
| 828 | 38.1 | 35.6 | 36.9 | 62.2 | 64.3 | 63.3 | 50.1 |
| 836 | 34.3 | 39.9 | 37.1 | 68.6 | 59.2 | 63.9 | 50.5 |
| 839 | 36.8 | 37.3 | 37.1 | 57.2 | 62.7 | 60.0 | 48.5 |
| 846 | 36.8 | 42.4 | 39.6 | 66.0 | 66.8 | 66.4 | 53.0 |
| 855 | 36.8 | 38.1 | 37.5 | 67.3 | 62.7 | 65.0 | 51.2 |
| 860 | 30.5 | 33.0 | 31.8 | 61.0 | 61.0 | 61.0 | 46.4 |
| 861 | 33.0 | 39.9 | 36.5 | 61.0 | 62.7 | 61.9 | 49.2 |
| 862 | 33.0 | 37.3 | 35.2 | 63.5 | 66.8 | 65.2 | 50.2 |
| 873 | 35.6 | 39.9 | 37.8 | 64.8 | 74.4 | 69.6 | 53.7 |
| 881 | 30.5 | 33.0 | 31.8 | 61.0 | 61.7 | 61.4 | 46.6 |
| 882 | 35.6 | 37.3 | 36.5 | 58.4 | 68.6 | 63.5 | 50.0 |
| 885 | 38.1 | 42.4 | 40.3 | 61.0 | 74.4 | 67.7 | 54.0 |
| 887 | 36.8 | 43.2 | 40.0 | 71.1 | 73.7 | 72.4 | 56.2 |
| 889 | 36.8 | 42.4 | 39.6 | 63.5 | 81.3 | 72.4 | 56.0 |
| 893 | 35.6 | 38.1 | 36.9 | 72.4 | 64.3 | 68.4 | 52.6 |
| Mean | 36.3 | 39.6 | 38.0 | 63.2 | 68.8 | 66.0 | 52.0 |
| LSD .05 | 5.6 | 6.4 | 4.4 | 14.0 | 10.2 | 8.1 | |
| CV (%) | 7.9 | 9.8 | 9.4 | 11.1 | 9.2 | 9.9 | |

TABLE XIX

SUMMARY FOR THE MEAN PLANT WIDTH IN CENTIMETERS FOR 1965 AND 1966 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Okla. | Perkins | | | Ft. Cobb | Mean of Three |
|---|---|---|---|---|---|
| P-No. | 1965 | 1966 | Mean | 1965 | Tests |
| 2 | 61.0 | 65.3 | 63.0 | 118.1 | 81.5 |
| 4 | 58.4 | 66.8 | 62.5 | 130.8 | 85.3 |
| 6 | 57.2 | 64.3 | 60.7 | 116.8 | 80.3 |
| 17 | 57.2 | 65.3 | 61.2 | 119.4 | 80.5 |
| 22 | 54.6 | 70.4 | 62.5 | 124.5 | 83.1 |
| 25 | 73.7 | 78.0 | 75.7 | 111.8 | 87.9 |
| 293 | 54.6 | 63.5 | 58.9 | 119.4 | 79.2 |
| 294 | 53.3 | 56.6 | 54.9 | 116.8 | 75.7 |
| 295 | 57.2 | 61.0 | 58.9 | 124.5 | 80.8 |
| 301 | 50.8 | 57.7 | 54.4 | 123.2 | 77.2 |
| 304 | 50.8 | 55.1 | 52.8 | 127.0 | 77.7 |
| 309 | 54.6 | 61.0 | 57.9 | 119.4 | 78.2 |
| 315 | 49.5 | 58.4 | 53.8 | 121.9 | 76.7 |
| 317 | 58.4 | 64.3 | 61.5 | 127.0 | 83.3 |
| 340 | 64.8 | 56.6 | 60.7 | 124.5 | 82.0 |
| 342 | 62.2 | 67.8 | 65.0 | 119.4 | 83.1 |
| 370 | 50.8 | 53.3 | 52.1 | 132.1 | 78.7 |
| 397 | 53.3 | 64.3 | 58.9 | 130.8 | 82.8 |
| 415 | 49.5 | 78.0 | 63.8 | 128.3 | 85.3 |
| 419 | 66.0 | 59.2 | 62.5 | 129.5 | 84.8 |
| 431 | 68.6 | 55.1 | 62.0 | 129.5 | 84.3 |
| 438 | 78.7 | 67.8 | 73.2 | 116.8 | 87.9 |
| 447 | 62.2 | 60.2 | 61.2 | 116.8 | 79.8 |
| 451 | 73.7 | 60.2 | 67.1 | 132.1 | 88.6 |
| 463 | 71.1 | 66.0 | 68.6 | 124.5 | 87.1 |
| 465 | 69.9 | 58.4 | 64.0 | 129.5 | 85.9 |
| 471 | 81.3 | 72.9 | 77.2 | 137.2 | 97.0 |
| 477 | 87.6 | 89.7 | 88.6 | 132.1 | 103.1 |
| 501 | 88.9 | 88.1 | 88.4 | 137.2 | 104.6 |
| 512 | 69.9 | 70.4 | 70.1 | 124.5 | 88.1 |
| 516 | 83.8 | 74.4 | 79.2 | 129.5 | 96.0 |
| 529 | 77.5 | 57.7 | 67.6 | 129.5 | 88.1 |
| 532 | 87.6 | 78.0 | 82.8 | 121.9 | 95.8 |
| 552 | 71.1 | 66.0 | 68.6 | 132.1 | 89.7 |
| 560 | 68.6 | 66.0 | 67.3 | 124.5 | 86.4 |
| 561 | 57.2 | 61.0 | 58.9 | 127.0 | 81.8 |
| 567 | 55.9 | 66.0 | 61.0 | 132.1 | 84.6 |

TABLE XIX (Continued)

| Okla. P-No. | Perkins 1965 | Perkins 1966 | Perkins Mean | Ft. Cobb 1965 | Mean of Three Tests |
|---|---|---|---|---|---|
| 577 | 58.4 | 61.7 | 59.9 | 121.9 | 80.8 |
| 581 | 58.4 | 57.7 | 57.9 | 121.9 | 79.2 |
| 591 | 58.4 | 69.3 | 64.0 | 132.1 | 86.6 |
| 592 | 59.7 | 61.0 | 60.5 | 127.0 | 82.6 |
| 598 | 69.9 | 70.4 | 70.1 | 121.9 | 87.4 |
| 600 | 66.0 | 59.2 | 62.5 | 121.9 | 82.3 |
| 606 | 62.2 | 65.3 | 63.8 | 114.3 | 80.5 |
| 608 | 71.1 | 77.0 | 74.2 | 121.9 | 89.9 |
| 609 | 68.6 | 72.9 | 70.6 | 114.3 | 85.3 |
| 614 | 53.3 | 56.6 | 54.9 | 111.8 | 73.9 |
| 634 | 53.3 | 61.7 | 57.4 | 121.9 | 79.0 |
| 643 | 58.4 | 67.8 | 63.0 | 121.9 | 82.8 |
| 644 | 55.9 | 66.0 | 61.0 | 124.5 | 82.0 |
| 654 | 58.4 | 71.1 | 64.8 | 132.1 | 87.1 |
| 675 | 73.7 | 64.3 | 69.1 | 106.7 | 81.5 |
| 678 | 66.0 | 67.8 | 67.1 | 114.3 | 82.8 |
| 718 | 68.6 | 72.9 | 70.6 | 127.0 | 89.4 |
| 731 | 69.9 | 71.9 | 70.9 | 109.2 | 83.6 |
| 739 | 67.3 | 71.9 | 69.6 | 129.5 | 89.7 |
| 745 | 54.6 | 58.4 | 56.4 | 119.4 | 77.5 |
| 748 | 55.9 | 61.0 | 58.4 | 121.9 | 79.5 |
| 807 | 74.9 | 72.9 | 73.9 | 129.5 | 92.5 |
| 808 | 76.2 | 61.7 | 69.1 | 119.4 | 85.9 |
| 819 | 74.9 | 66.0 | 70.6 | 116.8 | 85.9 |
| 824 | 63.5 | 63.5 | 63.5 | 111.8 | 79.5 |
| 828 | 52.1 | 57.7 | 54.9 | 114.3 | 74.7 |
| 836 | 54.6 | 68.6 | 61.5 | 124.5 | 82.6 |
| 839 | 54.6 | 61.0 | 57.9 | 111.8 | 75.7 |
| 846 | 57.2 | 71.9 | 64.5 | 119.4 | 82.8 |
| 855 | 55.9 | 65.3 | 60.5 | 124.5 | 81.8 |
| 860 | 55.9 | 59.2 | 57.4 | 116.8 | 77.2 |
| 861 | 59.7 | 62.7 | 61.2 | 121.9 | 81.5 |
| 862 | 53.3 | 59.2 | 65.4 | 132.1 | 81.5 |
| 873 | 53.3 | 61.7 | 57.4 | 124.5 | 79.8 |
| 881 | 52.1 | 62.7 | 57.4 | 121.9 | 79.0 |
| 882 | 50.8 | 57.7 | 54.4 | 121.9 | 76.7 |
| 885 | 64.8 | 74.4 | 69.6 | 124.5 | 87.9 |
| 887 | 64.8 | 70.4 | 67.6 | 124.5 | 86.6 |
| 889 | 66.0 | 76.2 | 71.1 | 127.0 | 89.7 |
| 893 | 55.9 | 61.0 | 58.4 | 121.9 | 79.5 |
| Mean | 62.7 | 65.5 | 64.1 | 123.2 | 83.8 |
| LSD .05 | 13.7 | 12.2 | 9.1 | N.S. | |
| CV (%) | 11.0 | 11.5 | 11.4 | 6.7 | |

TABLE XX

MEAN LEAFLET AREA ($cm^2$) OF PEANUT INTRODUCTIONS FOR 1964, 1965 AND 1966 AT THE AGRONOMY RESEARCH STATION NEAR PERKINS, OKLAHOMA

| Okla. P-No. | 1964 | 1965 | 1966 | Mean |
|---|---|---|---|---|
| 2 | 15.0 | 13.0 | 11.5 | 13.2 |
| 4 | 11.5 | 11.5 | 9.0 | 10.7 |
| 6 | 13.5 | 12.5 | 12.5 | 12.8 |
| 17 | 15.2 | 15.2 | 10.8 | 13.7 |
| 22 | 14.0 | 14.0 | 11.8 | 13.3 |
| 25 | 7.8 | 7.8 | 4.0 | 6.5 |
| 293 | 14.2 | 18.2 | 14.8 | 15.7 |
| 294 | 13.5 | 13.5 | 13.3 | 13.4 |
| 295 | 12.5 | 13.2 | 12.8 | 12.8 |
| 301 | 12.5 | 13.2 | 13.6 | 13.1 |
| 304 | 14.5 | 15.0 | 14.8 | 14.8 |
| 309 | 14.0 | 18.8 | 14.8 | 15.9 |
| 315 | 13.5 | 14.2 | 15.1 | 14.3 |
| 317 | 11.5 | 16.8 | 12.8 | 13.7 |
| 340 | 11.5 | 20.2 | 15.8 | 15.8 |
| 342 | 9.0 | 17.5 | 16.5 | 14.3 |
| 370 | 13.0 | 18.0 | 14.5 | 15.2 |
| 397 | 12.5 | 20.0 | 13.8 | 15.4 |
| 415 | 11.0 | 14.8 | 14.6 | 13.5 |
| 419 | 14.5 | 13.2 | 15.0 | 14.2 |
| 431 | 13.5 | 15.5 | 15.1 | 14.7 |
| 438 | 10.0 | 16.8 | 15.8 | 14.2 |
| 447 | 12.5 | 17.0 | 12.0 | 13.8 |
| 451 | 12.5 | 18.8 | 12.8 | 14.7 |
| 463 | 14.0 | 15.0 | 14.5 | 14.5 |
| 465 | 12.0 | 15.8 | 12.1 | 13.3 |
| 471 | 14.0 | 18.2 | 14.3 | 15.5 |
| 477 | 13.5 | 15.5 | 15.1 | 14.7 |
| 501 | 13.0 | 16.0 | 14.6 | 14.5 |
| 512 | 13.5 | 16.8 | 14.8 | 15.0 |
| 516 | 15.0 | 19.0 | 14.1 | 16.0 |
| 529 | 13.5 | 18.5 | 10.8 | 14.3 |
| 532 | 15.0 | 17.0 | 15.8 | 15.9 |
| 552 | 15.0 | 18.2 | 15.3 | 16.2 |
| 560 | 15.5 | 18.5 | 15.0 | 16.3 |
| 561 | 12.0 | 16.8 | 13.1 | 14.0 |
| 567 | 16.5 | 13.2 | 15.3 | 15.0 |

TABLE XX (Continued)

| Okla P-No. | 1964 | 1965 | 1966 | Mean |
|---|---|---|---|---|
| 577 | 12.5 | 11.0 | 11.8 | 11.8 |
| 581 | 14.0 | 13.5 | 16.3 | 14.6 |
| 591 | 15.0 | 16.2 | 14.6 | 15.3 |
| 592 | 12.0 | 16.0 | 15.1 | 14.4 |
| 598 | 14.5 | 17.0 | 14.6 | 15.4 |
| 600 | 13.5 | 15.8 | 15.8 | 15.0 |
| 606 | 12.5 | 10.0 | 15.6 | 12.7 |
| 608 | 14.5 | 17.5 | 18.3 | 16.8 |
| 609 | 13.0 | 12.2 | 18.3 | 14.5 |
| 614 | 10.5 | 16.2 | 14.3 | 13.7 |
| 634 | 12.5 | 15.0 | 15.0 | 14.2 |
| 643 | 13.0 | 14.0 | 14.0 | 13.7 |
| 644 | 12.5 | 14.0 | 13.3 | 13.3 |
| 654 | 11.0 | 13.2 | 15.1 | 13.1 |
| 675 | 17.5 | 14.5 | 14.8 | 15.6 |
| 678 | 17.0 | 11.2 | 12.6 | 13.6 |
| 718 | 14.5 | 11.2 | 14.6 | 13.4 |
| 731 | 11.0 | 11.8 | 12.3 | 11.7 |
| 739 | 15.0 | 15.5 | 16.0 | 15.5 |
| 745 | 15.5 | 14.8 | 15.5 | 15.3 |
| 748 | 13.5 | 12.8 | 13.5 | 13.3 |
| 807 | 14.0 | 15.2 | 15.8 | 15.0 |
| 808 | 15.0 | 13.5 | 14.0 | 14.2 |
| 819 | 15.0 | 16.8 | 16.6 | 16.1 |
| 824 | 15.0 | 15.5 | 15.6 | 15.4 |
| 828 | 13.0 | 15.2 | 13.6 | 13.9 |
| 836 | 15.0 | 14.0 | 17.6 | 15.5 |
| 839 | 12.0 | 13.8 | 14.0 | 13.3 |
| 846 | 13.5 | 14.8 | 13.1 | 13.8 |
| 855 | 14.0 | 18.0 | 14.6 | 15.5 |
| 860 | 12.0 | 14.5 | 13.6 | 13.4 |
| 861 | 12.0 | 15.2 | 15.6 | 14.3 |
| 862 | 13.5 | 13.8 | 15.8 | 14.4 |
| 873 | 13.0 | 16.5 | 14.6 | 14.7 |
| 881 | 12.5 | 14.2 | 14.3 | 13.7 |
| 882 | 13.0 | 15.0 | 16.1 | 14.7 |
| 885 | 11.0 | 11.2 | 12.1 | 11.4 |
| 887 | 11.0 | 10.2 | 14.1 | 11.8 |
| 889 | 13.0 | 15.0 | 13.3 | 13.8 |
| 893 | 16.0 | 16.8 | 14.5 | 15.8 |
| Mean | 13.4 | 15.1 | 14.2 | 14.2 |
| LSD .05 | - | 5.2 | 3.5 | - |
| CV (%) | - | 17.2 | 1.5 | - |

TABLE XXI

MEAN PERCENTAGE OF PANEL MEMBERS SCORING PEANUT BUTTER PREFERENCE RANK, PEANUT BUTTER TURN-OUT, SEED WEIGHT, MEAN RATING OF OTHER CHARACTERISTICS AND CLER SCORE, ROAST AND RANK OF ROASTED PEANUTS IN ORGANOLEPTIC STUDIES INVOLVING 33 PEANUT INTRODUCTIONS GROWN NEAR FT. COBB AND PERKINS, 1965

| Okla. P-No. | P.I. No. | Location | Mean Rank | Peanut Butter % | Gms/100 Seed | Mean Rating of: | | | | | | Roasted Peanuts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Odor | Flavor | Taste | Roast | Texture | Dryness | Cler Score | Roast Score | Rank |
| 2 | Argentine | Standard | 2.8 | 87.3 | 38.8 | 2.9 | 2.8 | 3.0 | 2.4 | 3.1 | 2.0 | 53.4 | 2.5 | 3.2 |
| | | Standard | 1.5 | 87.1 | 37.8 | 2.6 | 3.7 | 3.5 | 2.6 | 3.2 | 2.2 | 66.2 | 2.6 | 2.0 |
| | | Mean | 2.2 | 87.2 | 38.3 | 2.8 | 3.3 | 3.3 | 2.5 | 3.2 | 2.1 | 59.8 | 2.6 | 2.6 |
| 293 | 259591 | Ft. Cobb | 4.0 | 83.7 | 45.4 | 3.6 | 2.6 | 2.6 | 3.0 | 3.6 | 2.4 | 56.8 | 2.8 | 3.4 |
| | | Perkins | 3.8 | 85.4 | 28.9 | 3.0 | 2.6 | 2.8 | 2.8 | 3.0 | 1.6 | 21.6 | 2.5 | 4.6 |
| | | Mean | 3.9 | 84.6 | 37.2 | 3.3 | 2.6 | 2.7 | 2.9 | 3.3 | 2.0 | 39.2 | 2.6 | 4.0 |
| 397 | 268703 | Ft. Cobb | 2.8 | 87.3 | 42.6 | 3.2 | 3.6 | 3.0 | 2.4 | 3.4 | 2.6 | 62.0 | 2.5 | 2.4 |
| | | Perkins | 3.4 | 86.4 | 29.0 | 2.6 | 3.0 | 3.2 | 2.2 | 3.4 | 2.4 | 61.4 | 2.1 | 2.6 |
| | | Mean | 3.1 | 86.8 | 35.8 | 2.9 | 3.3 | 3.1 | 2.3 | 3.4 | 2.5 | 61.7 | 2.3 | 2.5 |
| 415 | 268737 | Ft. Cobb | 2.0 | 86.5 | 44.9 | 2.8 | 3.4 | 3.6 | 2.2 | 4.0 | 2.6 | 51.0 | 2.5 | 2.6 |
| | | Perkins | 2.2 | 83.2 | 28.1 | 2.6 | 2.8 | 3.0 | 2.6 | 3.0 | 2.2 | 73.8 | 3.0 | 2.2 |
| | | Mean | 2.1 | 84.9 | 36.5 | 2.7 | 3.1 | 3.3 | 2.4 | 3.5 | 2.4 | 62.4 | 2.7 | 2.4 |
| 431 | 268778 | Ft. Cobb | 2.2 | 87.2 | 43.2 | 3.4 | 3.2 | 3.6 | 3.2 | 3.2 | 1.6 | 56.4 | 2.7 | 3.0 |
| | | Perkins | 4.6 | 85.8 | 29.0 | 2.4 | 2.6 | 1.8 | 3.6 | 3.2 | 1.8 | 45.6 | 2.4 | 4.0 |
| | | Mean | 3.4 | 86.5 | 36.1 | 2.9 | 2.9 | 2.7 | 3.4 | 3.2 | 1.7 | 51.0 | 2.6 | 3.5 |
| 438 | 268801 | Ft. Cobb | 4.1 | 88.0 | 42.1 | 3.2 | 3.0 | 2.4 | 2.4 | 3.8 | 2.4 | 59.0 | 2.1 | 2.6 |
| | | Perkins | 3.2 | 86.8 | 39.0 | 2.6 | 2.6 | 3.8 | 1.8 | 3.8 | 2.0 | 31.2 | 2.2 | 4.2 |
| | | Mean | 3.6 | 87.4 | 40.5 | 2.9 | 2.8 | 3.1 | 2.1 | 3.8 | 2.2 | 45.1 | 2.2 | 3.4 |
| 447 | 268826 | Ft. Cobb | 3.0 | 86.4 | 51.0 | 2.8 | 2.4 | 2.6 | 2.6 | 3.6 | 2.4 | 53.2 | 3.3 | 3.0 |
| | | Perkins | 3.2 | 84.3 | 30.3 | 3.2 | 3.4 | 3.6 | 3.6 | 3.4 | 3.0 | 48.0 | 2.7 | 2.8 |
| | | Mean | 3.1 | 85.4 | 40.6 | 3.0 | 2.9 | 3.1 | 3.1 | 3.5 | 2.7 | 50.6 | 3.0 | 2.9 |
| 451 | 268828 | Ft. Cobb | 2.4 | 88.1 | 44.3 | 3.2 | 2.4 | 2.8 | 2.2 | 3.4 | 2.4 | 47.2 | 2.6 | 3.0 |
| | | Perkins | 2.8 | 83.5 | 26.6 | 3.6 | 2.2 | 3.2 | 3.8 | 3.4 | 2.2 | 40.0 | 2.8 | 3.2 |
| | | Mean | 2.6 | 85.8 | 35.4 | 3.4 | 2.3 | 3.0 | 3.0 | 3.4 | 2.3 | 43.6 | 2.7 | 3.1 |

TABLE XXI (Continued)

| Okla. P-No. | P.I. No. | Location | Mean Rank | Peanut Butter % | Gms/100 Seed | Mean Rating of: | | | | | | Roasted Peanuts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Odor | Flavor | Taste | Roast | Texture | Dryness | Cler Score | Roast Score | Rank |
| 463 | 270817 | Ft. Cobb | 2.0 | 87.2 | 45.1 | 3.0 | 3.6 | 3.6 | 1.6 | 3.0 | 1.8 | 66.4 | 2.8 | 2.6 |
| | | Perkins | 3.4 | 81.8 | 27.7 | 3.0 | 2.6 | 3.2 | 3.8 | 3.2 | 3.0 | 52.4 | 1.9 | 4.0 |
| | | Mean | 2.7 | 84.5 | 36.4 | 3.0 | 3.1 | 3.4 | 2.7 | 3.1 | 2.4 | 59.4 | 2.4 | 3.3 |
| 465 | 270849 | Ft. Cobb | 2.4 | 87.2 | 39.6 | 3.0 | 2.8 | 2.6 | 2.2 | 3.2 | 1.8 | 74.8 | 2.5 | 2.4 |
| | | Perkins | 2.8 | 86.9 | 32.6 | 3.6 | 3.0 | 3.0 | 3.2 | 3.6 | 2.0 | 37.4 | 2.2 | 3.6 |
| | | Mean | 2.6 | 87.0 | 36.1 | 3.3 | 2.9 | 2.8 | 2.7 | 3.4 | 1.9 | 56.1 | 2.4 | 3.0 |
| 471 | 261997 | Ft. Cobb | 3.4 | 85.5 | 38.8 | 3.6 | 3.2 | 2.4 | 3.6 | 3.8 | 2.2 | 76.6 | 2.5 | 1.6 |
| | | Perkins | 3.0 | 82.2 | 32.8 | 3.2 | 3.0 | 3.2 | 2.4 | 3.2 | 2.6 | 32.0 | 2.2 | 4.2 |
| | | Mean | 3.2 | 83.9 | 35.8 | 3.4 | 3.1 | 2.8 | 3.0 | 3.5 | 2.4 | 54.3 | 2.4 | 2.9 |
| 516 | 261940 | Ft. Cobb | 3.2 | 88.3 | 41.5 | 3.4 | 2.4 | 3.0 | 1.4 | 3.6 | 2.0 | 55.0 | 3.0 | 4.0 |
| | | Perkins | 3.4 | 83.9 | 30.1 | 2.6 | 2.6 | 3.0 | 3.2 | 3.2 | 2.4 | 31.2 | 2.2 | 3.6 |
| | | Mean | 3.3 | 86.1 | 35.8 | 3.0 | 2.5 | 3.0 | 2.3 | 3.4 | 2.2 | 43.1 | 2.6 | 3.8 |
| 529 | 261988 | Ft. Cobb | 5.0 | 83.3 | 26.0 | 3.4 | 2.6 | 2.6 | 3.4 | 2.8 | 1.8 | 22.0 | 3.4 | 5.0 |
| | | Perkins | 2.6 | 86.0 | 26.7 | 2.8 | 2.8 | 3.0 | 2.6 | 3.4 | 2.8 | 48.8 | 2.2 | 3.0 |
| | | Mean | 3.8 | 84.7 | 26.4 | 3.1 | 2.7 | 2.8 | 3.0 | 3.1 | 2.3 | 35.4 | 2.8 | 4.0 |
| 532 | 262001 | Ft. Cobb | 3.4 | 86.6 | 45.7 | 3.0 | 3.0 | 3.4 | 2.6 | 3.2 | 2.2 | 61.2 | 2.5 | 2.8 |
| | | Perkins | 3.0 | 86.4 | 35.0 | 2.6 | 3.2 | 3.6 | 2.6 | 3.8 | 2.6 | 46.0 | 3.1 | 3.6 |
| | | Mean | 3.2 | 86.5 | 40.3 | 2.8 | 3.1 | 3.5 | 2.6 | 3.5 | 2.4 | 53.6 | 2.8 | 3.2 |
| 552 | 240555 | Ft. Cobb | 2.8 | 86.5 | 36.4 | 2.2 | 3.8 | 3.6 | 1.8 | 3.4 | 2.8 | 64.0 | 2.6 | 2.4 |
| | | Perkins | 3.4 | 83.8 | 30.0 | 2.4 | 2.8 | 3.8 | 1.2 | 3.8 | 2.4 | 55.4 | 2.6 | 3.0 |
| | | Mean | 3.1 | 85.2 | 33.2 | 2.3 | 3.3 | 3.7 | 1.5 | 3.6 | 2.6 | 59.7 | 2.6 | 2.9 |
| 560 | 240561 | Ft. Cobb | 3.0 | 85.4 | 41.0 | 3.6 | 2.8 | 3.0 | 3.0 | 3.6 | 2.8 | 50.0 | 3.3 | 3.8 |
| | | Perkins | 4.6 | 76.2 | 28.7 | 2.8 | 3.4 | 2.4 | 3.2 | 3.4 | 3.0 | 44.4 | 2.0 | 3.0 |
| | | Mean | 3.8 | 80.8 | 34.8 | 3.2 | 3.1 | 2.7 | 3.1 | 3.5 | 2.9 | 47.2 | 2.6 | 3.4 |
| 567 | 268601 | Ft. Cobb | 2.0 | 84.2 | 44.5 | 3.2 | 2.6 | 3.2 | 2.4 | 3.8 | 2.0 | 67.2 | 2.4 | 2.0 |
| | | Perkins | 2.6 | 85.7 | 30.6 | 2.6 | 2.8 | 3.6 | 2.4 | 3.2 | 2.4 | 39.6 | 2.7 | 3.8 |
| | | Mean | 2.3 | 85.0 | 37.6 | 2.9 | 2.7 | 3.4 | 2.4 | 3.5 | 2.2 | 53.4 | 2.6 | 2.9 |

TABLE XXI (Continued)

| Okla. P-No. | P.I. No. | Location | Mean Rank | Peanut Butter % | Gms/100 Seed | Mean Rating of: | | | | | | Roasted Peanuts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Odor | Flavor | Taste | Roast | Texture | Dryness | Cler Score | Roast Score | Rank |
| 591 | 268646 | Ft. Cobb | 3.0 | 86.5 | 46.2 | 3.0 | 2.6 | 3.2 | 2.6 | 3.8 | 2.0 | 46.2 | 2.3 | 3.6 |
| | | Perkins | 2.0 | 82.3 | 29.2 | 2.4 | 3.8 | 3.2 | 1.6 | 3.4 | 2.4 | 36.8 | 2.4 | 2.8 |
| | | Mean | 2.5 | 84.4 | 37.6 | 2.7 | 3.2 | 3.2 | 2.1 | 3.6 | 2.2 | 41.5 | 2.4 | 3.2 |
| 609 | 268677 | Ft. Cobb | 2.6 | 87.4 | 39.9 | 2.4 | 2.8 | 3.0 | 1.8 | 3.6 | 2.2 | 54.0 | 2.4 | 2.2 |
| | | Perkins | 2.6 | 85.0 | 31.1 | 2.6 | 3.2 | 3.8 | 2.2 | 3.4 | 2.6 | 65.8 | 2.7 | 2.2 |
| | | Mean | 2.6 | 86.2 | 35.5 | 2.5 | 3.0 | 3.4 | 2.0 | 3.5 | 2.4 | 59.9 | 2.6 | 2.2 |
| 643 | 268721 | Ft. Cobb | 3.2 | 87.4 | 39.6 | 2.8 | 2.8 | 3.2 | 1.4 | 3.8 | 2.8 | 55.8 | 2.6 | 2.4 |
| | | Perkins | 3.2 | 84.6 | 26.6 | 3.2 | 3.6 | 2.4 | 3.6 | 3.0 | 2.4 | 21.4 | 2.9 | 3.6 |
| | | Mean | 3.2 | 86.0 | 33.1 | 3.0 | 3.2 | 2.8 | 2.5 | 3.4 | 2.6 | 38.6 | 2.7 | 3.0 |
| 644 | 268722 | Ft. Cobb | 3.4 | 73.4 | 40.0 | 2.2 | 3.2 | 3.4 | 2.6 | 3.4 | 2.8 | 38.8 | 2.4 | 3.2 |
| | | Perkins | 3.0 | 82.4 | 28.1 | 2.2 | 2.4 | 3.8 | 1.8 | 4.0 | 2.8 | 42.6 | 2.6 | 3.6 |
| | | Mean | 3.2 | 77.9 | 34.0 | 2.2 | 2.8 | 3.6 | 2.2 | 3.7 | 2.8 | 40.7 | 2.5 | 3.4 |
| 654 | 268732 | Ft. Cobb | 3.0 | 87.1 | 36.7 | 2.8 | 3.0 | 3.0 | 3.2 | 3.8 | 2.0 | 71.4 | 2.7 | 1.8 |
| | | Perkins | 3.2 | 82.3 | 27.7 | 3.8 | 2.8 | 2.2 | 3.4 | 3.0 | 2.6 | 39.2 | 2.3 | 3.6 |
| | | Mean | 3.1 | 85.0 | 32.2 | 3.3 | 2.9 | 2.6 | 3.3 | 3.4 | 2.3 | 55.3 | 2.5 | 2.7 |
| 678 | 268761 | Ft. Cobb | 3.8 | 86.6 | 40.2 | 2.8 | 1.8 | 2.8 | 3.2 | 3.0 | 1.8 | 78.2 | 2.4 | 1.4 |
| | | Perkins | 3.8 | 84.6 | 36.9 | 3.4 | 2.6 | 3.0 | 3.2 | 4.0 | 3.4 | 47.2 | 2.9 | 4.0 |
| | | Mean | 3.8 | 85.6 | 38.5 | 3.1 | 2.2 | 2.9 | 3.2 | 3.5 | 2.6 | 62.7 | 2.7 | 2.7 |
| 718 | 268800 | Ft. Cobb | 3.6 | 88.7 | 41.7 | 3.6 | 3.0 | 3.2 | 2.8 | 3.4 | 1.6 | 55.8 | 2.1 | 3.2 |
| | | Perkins | 2.8 | 85.3 | 30.2 | 3.2 | 2.8 | 3.2 | 1.8 | 3.6 | 3.0 | 46.4 | 1.9 | 3.4 |
| | | Mean | 3.2 | 87.0 | 36.0 | 3.4 | 2.9 | 3.2 | 2.3 | 3.5 | 2.3 | 51.1 | 2.0 | 3.3 |
| 739 | 268821 | Ft. Cobb | 3.4 | 83.8 | 37.9 | 2.2 | 1.8 | 2.8 | 1.6 | 4.0 | 2.2 | 56.4 | 1.8 | 3.8 |
| | | Perkins | 4.0 | 80.5 | 32.1 | 3.0 | 1.6 | 2.0 | 1.2 | 3.0 | 2.2 | 62.8 | 2.4 | 2.6 |
| | | Mean | 3.7 | 82.2 | 35.0 | 2.6 | 1.7 | 2.4 | 1.4 | 3.5 | 2.2 | 59.6 | 2.1 | 3.2 |
| 748 | 268831 | Ft. Cobb | 3.6 | 86.6 | 42.5 | 3.4 | 2.4 | 3.4 | 2.6 | 3.0 | 1.6 | 44.6 | 2.5 | 4.4 |
| | | Perkins | 2.2 | 86.2 | 28.3 | 2.4 | 3.6 | 3.8 | 2.0 | 4.0 | 2.8 | 63.6 | 2.4 | 2.8 |
| | | Mean | 2.9 | 86.4 | 35.4 | 2.9 | 3.0 | 3.6 | 2.3 | 3.5 | 2.2 | 54.1 | 2.5 | 3.6 |

TABLE XXI (Continued)

| Okla. P-No. | P.I. No. | Location | Mean Rank | Peanut Butter % | Gms/100 Seed | Mean Rating of: | | | | | | Roasted Peanuts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Odor | Flavor | Taste | Roast | Texture | Dryness | Cler Score | Roast Score | Rank |
| 824 | 247375 | Ft. Cobb | 2.6 | 87.0 | 54.3 | 3.6 | 3.4 | 2.8 | 3.8 | 3.6 | 1.4 | 44.8 | 2.2 | 3.4 |
| | | Perkins | 4.0 | 82.7 | 40.1 | 3.2 | 2.6 | 2.4 | 2.8 | 3.4 | 3.2 | 33.2 | 2.6 | 3.8 |
| | | Mean | 3.3 | 84.9 | 47.2 | 3.4 | 3.0 | 2.6 | 3.3 | 3.5 | 2.3 | 39.0 | 2.4 | 3.6 |
| 828 | 269719 | Ft. Cobb | 3.6 | 87.6 | 52.1 | 2.8 | 3.0 | 3.0 | 3.4 | 4.0 | 2.6 | 47.6 | 3.0 | 4.6 |
| | | Perkins | 3.2 | 85.0 | 34.1 | 2.6 | 2.0 | 2.2 | 2.0 | 3.8 | 2.8 | 52.8 | 2.4 | 2.8 |
| | | Mean | 3.4 | 86.3 | 43.1 | 2.7 | 2.5 | 2.6 | 2.7 | 3.9 | 2.7 | 50.2 | 2.7 | 3.7 |
| 860 | 268680 | Ft. Cobb | 3.0 | 87.3 | 46.0 | 3.2 | 3.0 | 3.0 | 3.2 | 3.4 | 2.2 | 67.2 | 3.0 | 3.0 |
| | | Perkins | 3.8 | 86.4 | 29.2 | 3.2 | 3.2 | 3.0 | 3.0 | 3.8 | 2.4 | 33.2 | 2.8 | 4.4 |
| | | Mean | 3.4 | 86.8 | 37.6 | 3.2 | 3.1 | 3.0 | 3.1 | 3.6 | 2.3 | 50.2 | 2.9 | 3.7 |
| 861 | 268681 | Ft. Cobb | 1.6 | 87.4 | 52.0 | 2.8 | 3.6 | 3.6 | 3.2 | 4.0 | 2.8 | 64.4 | 3.0 | 2.6 |
| | | Perkins | 4.8 | 82.8 | 34.2 | 3.0 | 2.6 | 2.2 | 3.4 | 4.0 | 3.6 | 51.6 | 2.4 | 2.6 |
| | | Mean | 3.2 | 85.1 | 43.1 | 2.9 | 3.1 | 2.9 | 3.3 | 4.0 | 3.2 | 58.0 | 2.7 | 2.6 |
| 882 | 270767 | Ft. Cobb | 2.4 | 88.4 | 55.6 | 3.6 | 3.2 | 2.6 | 2.0 | 4.0 | 2.8 | 64.8 | 2.3 | 2.2 |
| | | Perkins | 4.6 | 87.1 | 30.7 | 2.8 | 2.4 | 2.4 | 3.0 | 2.4 | 1.2 | 58.0 | 2.6 | 2.6 |
| | | Mean | 3.5 | 87.8 | 43.2 | 3.2 | 2.8 | 2.5 | 2.5 | 3.2 | 2.0 | 61.4 | 2.4 | 2.4 |
| 887 | 270795 | Ft. Cobb | 3.0 | 74.5 | 50.7 | 3.6 | 3.2 | 3.8 | 3.8 | 3.4 | 2.6 | 52.8 | 2.5 | 3.2 |
| | | Perkins | 4.0 | 87.6 | 32.0 | 2.6 | 2.4 | 3.6 | 2.8 | 3.4 | 2.8 | 56.8 | 2.8 | 2.2 |
| | | Mean | 3.5 | 81.1 | 41.4 | 3.1 | 2.8 | 3.7 | 3.3 | 3.4 | 2.7 | 54.8 | 2.6 | 2.7 |
| 893 | 259746 | Ft. Cobb | 3.2 | 87.6 | 50.6 | 2.8 | 1.8 | 3.4 | 2.8 | 2.6 | 1.4 | 60.8 | 2.1 | 3.2 |
| | | Perkins | 4.6 | 85.1 | 31.3 | 3.2 | 1.4 | 3.2 | 2.4 | 3.8 | 2.4 | 61.6 | 2.4 | 2.8 |
| | | Mean | 3.9 | 86.4 | 41.0 | 3.0 | 1.6 | 3.3 | 2.6 | 3.2 | 1.9 | 61.2 | 2.3 | 3.0 |
| | | Mean | 3.2 | 85.2 | 37.3 | 3.0 | 2.8 | 3.1 | 2.6 | 3.5 | 2.4 | 51.9 | 2.5 | 3.1 |
| | | LSD .05 | 1.1 | N.S. | N.S. | 0.6 | 0.9 | 0.6 | 0.8 | N.S. | 0.7 | 23.9 | 0.7 | N.S. |
| | | CV (%) | 39.6 | 3.3 | 11.4 | 25.0 | 36.8 | 23.2 | 34.1 | 21.0 | 33.9 | 33.5 | 22.1 | 40.3 |

TABLE XXII

MEAN PERCENTAGE OF PANEL MEMBERS SCORING PEANUT BUTTER PREFERENCE RANK, PEANUT BUTTER TURN-OUT, SEED WEIGHT, MEAN RATING OF OTHER CHARACTERISTICS AND CLER SCORE, ROAST AND RANK OF ROASTED PEANUTS IN ORGANOLEPTIC STUDIES INVOLVING 77 PEANUT INTRODUCTIONS GROWN NEAR FT. COBB AND PERKINS, 1966

| Okla. P-No. | P.I. No. | Location | Mean Rank | Peanut Butter % | Gms/100 Seed | Mean Rating of: | | | | | | Roasted Peanuts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Odor | Flavor | Taste | Roast | Texture | Dryness | Cler Score | Roast Score | Rank |
| 2 | Argentine | Ft. Cobb | 2.4 | 83.2 | 37.5 | 2.6 | 1.6 | 1.4 | 1.4 | 1.0 | 2.0 | 54.2 | 1.7 | 3.8 |
| | | Perkins | 2.6 | 83.6 | 34.1 | 2.2 | 1.6 | 1.8 | 1.4 | 1.0 | 1.8 | 64.0 | 1.6 | 4.2 |
| | | Mean | 2.5 | 83.4 | 35.8 | 2.4 | 1.6 | 1.6 | 1.4 | 1.0 | 1.9 | 59.1 | 1.7 | 4.0 |
| 4 | Spantex | Ft. Cobb | 2.6 | 81.9 | 33.6 | 1.8 | 2.2 | 1.6 | 1.8 | 1.0 | 2.4 | 65.4 | 1.6 | 2.6 |
| | | Perkins | 2.2 | 81.9 | 30.5 | 3.2 | 1.6 | 1.4 | 1.8 | 1.4 | 2.0 | 59.2 | 1.5 | 2.8 |
| | | Mean | 2.4 | 81.9 | 32.0 | 2.5 | 1.9 | 1.5 | 1.8 | 1.2 | 2.2 | 62.3 | 1.6 | 2.7 |
| 6 | Starr | Ft. Cobb | 2.6 | 85.6 | 40.8 | 2.6 | 2.0 | 1.8 | 2.0 | 1.0 | 1.8 | 68.4 | 1.7 | 2.0 |
| | | Perkins | 1.4 | 81.8 | 33.6 | 2.2 | 1.4 | 1.4 | 2.2 | 1.0 | 1.6 | 58.8 | 1.6 | 2.6 |
| | | Mean | 2.0 | 83.7 | 37.2 | 2.4 | 1.7 | 1.6 | 2.1 | 1.0 | 1.7 | 63.6 | 1.6 | 2.3 |
| 17 | 161300 | Ft. Cobb | 3.0 | 85.1 | 36.3 | 2.6 | 2.0 | 1.6 | 1.6 | 1.0 | 1.4 | 72.8 | 1.6 | 2.0 |
| | | Perkins | 2.6 | 81.0 | 31.6 | 2.4 | 2.2 | 1.4 | 2.0 | 1.4 | 2.4 | 63.6 | 1.5 | 3.2 |
| | | Mean | 2.8 | 83.0 | 34.0 | 2.5 | 2.1 | 1.5 | 1.8 | 1.2 | 1.9 | 68.2 | 1.6 | 2.6 |
| 22 | T-437 | Ft. Cobb | 1.4 | 82.0 | 34.7 | 3.2 | 1.4 | 1.6 | 1.6 | 1.0 | 1.6 | 64.4 | 1.6 | 3.2 |
| | | Perkins | 2.0 | 79.4 | 30.6 | 2.6 | 2.0 | 1.4 | 1.8 | 1.6 | 2.0 | 56.0 | 1.6 | 3.4 |
| | | Mean | 1.7 | 80.7 | 32.7 | 2.9 | 1.7 | 1.5 | 1.7 | 1.3 | 1.8 | 60.2 | 1.6 | 3.3 |
| 25 | 229553 | Ft. Cobb | 4.2 | 78.5 | 40.7 | 3.6 | 2.6 | 2.2 | 1.6 | 1.6 | 2.4 | 50.2 | 1.6 | 4.2 |
| | | Perkins | 4.8 | 68.4 | 30.4 | 3.2 | 3.4 | 2.4 | 2.0 | 2.0 | 2.8 | 40.4 | 1.8 | 4.4 |
| | | Mean | 4.5 | 73.4 | 35.6 | 3.4 | 3.0 | 2.3 | 1.8 | 1.8 | 2.6 | 45.3 | 1.7 | 4.3 |
| 293 | 259591 | Ft. Cobb | 1.8 | 85.0 | 48.9 | 2.6 | 1.4 | 1.4 | 1.8 | 1.0 | 2.0 | 57.6 | 1.6 | 3.0 |
| | | Perkins | 3.6 | 83.6 | 39.0 | 3.0 | 2.6 | 2.2 | 2.6 | 1.0 | 2.2 | 72.0 | 1.6 | 2.2 |
| | | Mean | 2.7 | 84.3 | 44.0 | 2.8 | 2.0 | 1.8 | 2.2 | 1.0 | 2.1 | 64.8 | 1.6 | 2.6 |
| 294 | 259805 | Ft. Cobb | 3.0 | 83.6 | 47.9 | 3.0 | 1.8 | 1.2 | 1.6 | 1.0 | 1.6 | 70.0 | 1.5 | 1.6 |
| | | Perkins | 3.2 | 82.5 | 40.7 | 1.8 | 2.4 | 1.4 | 1.6 | 1.6 | 2.4 | 70.4 | 1.6 | 1.0 |
| | | Mean | 3.1 | 83.0 | 44.3 | 2.4 | 2.1 | 1.3 | 1.6 | 1.3 | 2.0 | 70.2 | 1.5 | 1.3 |

TABLE XXII (Continued)

| Okla. P-No. | P.I. No. | Location | Mean Rank | Peanut Butter % | Gms/100 Seed | Mean Rating of: | | | | | | Roasted Peanuts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Odor | Flavor | Taste | Roast | Texture | Dryness | Cler Score | Roast Score | Rank |
| 295 | 259662 | Ft. Cobb | 2.2 | 85.9 | 39.8 | 2.6 | 2.0 | 2.0 | 1.6 | 1.0 | 2.0 | 60.0 | 1.6 | 2.8 |
| | | Perkins | 3.0 | 81.4 | 34.1 | 3.0 | 2.1 | 1.6 | 1.8 | 1.4 | 2.4 | 44.8 | 1.8 | 4.2 |
| | | Mean | 2.6 | 83.6 | 37.0 | 2.8 | 2.1 | 1.8 | 1.7 | 1.2 | 2.2 | 52.4 | 1.7 | 3.5 |
| 301 | 259728 | Ft. Cobb | 3.6 | 85.7 | 39.4 | 2.6 | 2.2 | 2.2 | 2.4 | 1.2 | 2.0 | 69.6 | 1.4 | 2.2 |
| | | Perkins | 2.6 | 82.2 | 34.3 | 2.8 | 2.0 | 1.4 | 1.8 | 1.0 | 2.4 | 44.4 | 1.9 | 4.6 |
| | | Mean | 3.1 | 84.0 | 36.9 | 2.7 | 2.1 | 1.8 | 2.1 | 1.1 | 2.2 | 57.0 | 1.7 | 3.4 |
| 304 | 259814 | Ft. Cobb | 4.2 | 82.3 | 37.4 | 3.8 | 2.8 | 2.8 | 1.6 | 1.6 | 2.0 | 54.4 | 1.5 | 3.6 |
| | | Perkins | 3.0 | 83.0 | 33.5 | 3.2 | 2.4 | 2.0 | 1.4 | 1.6 | 3.2 | 69.2 | 1.5 | 2.4 |
| | | Mean | 3.6 | 82.6 | 35.4 | 3.5 | 2.6 | 2.4 | 1.5 | 1.6 | 2.6 | 61.8 | 1.5 | 3.0 |
| 309 | 259826 | Ft. Cobb | 1.8 | 83.1 | 45.3 | 3.2 | 1.6 | 1.2 | 1.6 | 1.0 | 1.8 | 68.4 | 1.4 | 2.2 |
| | | Perkins | 3.4 | 82.0 | 40.2 | 3.0 | 2.0 | 1.6 | 1.8 | 1.6 | 2.4 | 65.6 | 1.5 | 2.0 |
| | | Mean | 2.6 | 82.6 | 42.8 | 3.1 | 1.8 | 1.4 | 1.7 | 1.3 | 2.1 | 67.0 | 1.5 | 2.1 |
| 315 | 259772 | Ft. Cobb | 3.6 | 80.4 | 38.4 | 3.4 | 2.4 | 1.6 | 2.6 | 1.2 | 2.0 | 56.0 | 1.7 | 3.2 |
| | | Perkins | 2.8 | 81.3 | 32.7 | 2.6 | 2.0 | 1.6 | 1.8 | 1.8 | 2.4 | 66.0 | 1.7 | 2.2 |
| | | Mean | 3.2 | 80.8 | 35.6 | 3.0 | 2.2 | 1.6 | 2.2 | 1.5 | 2.2 | 61.0 | 1.7 | 2.7 |
| 317 | 259660 | Ft. Cobb | 4.4 | 85.5 | 45.9 | 3.2 | 2.8 | 2.2 | 2.0 | 1.4 | 2.2 | 53.0 | 1.7 | 4.2 |
| | | Perkins | 4.0 | 82.4 | 36.3 | 3.2 | 2.4 | 2.0 | 1.8 | 2.4 | 3.2 | 54.0 | 1.7 | 3.8 |
| | | Mean | 4.2 | 84.0 | 41.1 | 3.2 | 2.6 | 2.1 | 1.9 | 1.9 | 2.7 | 53.5 | 1.7 | 4.0 |
| 340 | 268516 | Ft. Cobb | 2.6 | 85.9 | 37.9 | 3.0 | 1.8 | 1.8 | 2.0 | 1.0 | 1.8 | 58.4 | 1.7 | 3.4 |
| | | Perkins | 4.2 | 81.0 | 33.3 | 3.2 | 2.4 | 2.6 | 1.6 | 1.4 | 2.4 | 66.8 | 1.6 | 4.6 |
| | | Mean | 3.4 | 83.4 | 35.6 | 3.1 | 2.1 | 2.2 | 1.8 | 1.2 | 2.1 | 62.6 | 1.6 | 4.0 |
| 342 | 268564 | Ft. Cobb | 2.4 | 84.4 | 41.1 | 3.6 | 2.0 | 1.4 | 1.8 | 1.2 | 1.6 | 62.8 | 1.6 | 1.6 |
| | | Perkins | 2.6 | 84.5 | 39.3 | 2.6 | 2.0 | 2.0 | 1.8 | 1.6 | 2.0 | 64.8 | 1.5 | 2.0 |
| | | Mean | 2.5 | 84.4 | 40.2 | 3.1 | 2.0 | 1.7 | 1.8 | 1.4 | 1.8 | 63.8 | 1.6 | 1.8 |
| 370 | 268644 | Ft. Cobb | 5.0 | 86.5 | 44.8 | 3.2 | 2.4 | 1.8 | 2.0 | 1.6 | 2.4 | 56.2 | 1.6 | 3.8 |
| | | Perkins | 2.8 | 81.2 | 37.4 | 3.2 | 2.0 | 1.6 | 1.4 | 2.0 | 2.8 | 56.6 | 1.8 | 3.0 |
| | | Mean | 3.9 | 83.8 | 41.1 | 3.2 | 2.2 | 1.7 | 1.7 | 1.8 | 2.6 | 56.4 | 1.7 | 3.4 |
| 397 | 268703 | Ft. Cobb | 2.2 | 85.4 | 42.6 | 2.8 | 1.8 | 1.4 | 2.0 | 1.0 | 2.0 | 66.2 | 1.6 | 1.6 |
| | | Perkins | 3.0 | 83.7 | 39.6 | 2.8 | 2.4 | 2.0 | 2.0 | 2.2 | 2.4 | 48.0 | 1.9 | 4.4 |
| | | Mean | 2.6 | 84.6 | 41.1 | 2.8 | 2.1 | 1.7 | 2.0 | 1.6 | 2.1 | 57.1 | 1.8 | 3.0 |

TABLE XXII (Continued)

| Okla. P-No. | P.I. No. | Location | Mean Rank | Peanut Butter % | Gms/100 Seed | Mean Rating of: | | | | | | Roasted Peanuts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Odor | Flavor | Taste | Roast | Texture | Dryness | Cler Score | Roast Score | Rank |
| 415 | 268737 | Ft. Cobb | 3.6 | 79.7 | 42.1 | 3.6 | 2.0 | 1.8 | 2.0 | 1.6 | 2.0 | 56.2 | 1.6 | 3.6 |
| | | Perkins | 4.2 | 85.9 | 38.4 | 3.6 | 2.4 | 2.0 | 1.8 | 1.8 | 2.6 | 60.0 | 1.5 | 2.6 |
| | | Mean | 3.9 | 82.8 | 40.2 | 3.6 | 2.2 | 1.9 | 1.9 | 1.7 | 2.3 | 58.1 | 1.6 | 3.1 |
| 419 | 268740 | Ft. Cobb | 5.0 | 82.9 | 46.2 | 3.8 | 3.2 | 2.8 | 3.4 | 1.4 | 2.4 | 57.6 | 1.6 | 4.4 |
| | | Perkins | 4.2 | 79.3 | 37.8 | 3.0 | 2.6 | 2.0 | 1.4 | 2.0 | 3.0 | 50.6 | 1.6 | 3.4 |
| | | Mean | 4.6 | 81.1 | 42.0 | 3.4 | 2.9 | 2.4 | 2.4 | 1.7 | 2.7 | 54.1 | 1.6 | 3.9 |
| 431 | 268778 | Ft. Cobb | 3.0 | 87.0 | 41.9 | 3.2 | 1.8 | 1.8 | 2.0 | 1.0 | 1.8 | 70.4 | 1.6 | 2.8 |
| | | Perkins | 2.0 | 84.1 | 36.7 | 3.4 | 2.0 | 1.4 | 1.8 | 1.2 | 1.8 | 73.2 | 1.6 | 1.4 |
| | | Mean | 2.5 | 85.6 | 39.3 | 3.3 | 1.9 | 1.6 | 1.9 | 1.1 | 1.8 | 71.8 | 1.6 | 2.1 |
| 438 | 268801 | Ft. Cobb | 2.6 | 84.0 | 40.9 | 3.6 | 2.0 | 2.0 | 1.8 | 1.4 | 2.0 | 64.2 | 1.6 | 2.0 |
| | | Perkins | 4.2 | 82.1 | 36.7 | 3.6 | 3.4 | 2.4 | 2.4 | 2.4 | 3.2 | 55.4 | 1.6 | 3.0 |
| | | Mean | 3.4 | 83.0 | 38.8 | 3.6 | 2.7 | 2.2 | 2.1 | 1.9 | 2.6 | 59.8 | 1.6 | 2.5 |
| 447 | 268826 | Ft. Cobb | 4.4 | 86.9 | 48.0 | 4.0 | 2.6 | 2.6 | 2.2 | 1.2 | 1.8 | 49.0 | 1.8 | 4.2 |
| | | Perkins | 3.2 | 82.0 | 41.8 | 3.0 | 2.4 | 2.2 | 3.2 | 1.2 | 2.8 | 50.8 | 1.7 | 4.4 |
| | | Mean | 3.8 | 84.4 | 44.9 | 3.5 | 2.5 | 2.4 | 2.7 | 1.2 | 2.3 | 49.9 | 1.8 | 4.3 |
| 451 | 268828 | Ft. Cobb | 2.6 | 84.8 | 41.3 | 3.4 | 2.0 | 1.8 | 2.2 | 1.6 | 2.0 | 65.6 | 1.6 | 3.0 |
| | | Perkins | 2.6 | 84.4 | 39.1 | 3.0 | 2.4 | 1.6 | 1.8 | 1.0 | 2.0 | 56.8 | 1.6 | 2.6 |
| | | Mean | 2.6 | 84.6 | 40.2 | 3.2 | 2.2 | 1.7 | 2.0 | 1.3 | 2.0 | 61.2 | 1.6 | 2.8 |
| 463 | 270817 | Ft. Cobb | 3.0 | 86.1 | 42.6 | 2.4 | 2.2 | 2.0 | 1.8 | 1.4 | 1.8 | 61.2 | 1.7 | 2.0 |
| | | Perkins | 3.8 | 81.9 | 38.7 | 3.4 | 2.4 | 1.8 | 2.4 | 1.0 | 2.6 | 54.2 | 1.8 | 3.2 |
| | | Mean | 3.4 | 84.0 | 40.7 | 2.9 | 2.3 | 1.9 | 2.1 | 1.2 | 2.2 | 57.7 | 1.7 | 2.6 |
| 465 | 270849 | Ft. Cobb | 2.8 | 84.6 | 42.0 | 2.6 | 2.2 | 2.2 | 2.0 | 1.4 | 2.0 | 57.2 | 1.5 | 3.2 |
| | | Perkins | 2.8 | 85.0 | 37.3 | 3.8 | 2.4 | 2.2 | 1.8 | 1.2 | 2.8 | 67.0 | 1.6 | 1.7 |
| | | Mean | 2.8 | 84.8 | 39.7 | 3.2 | 2.3 | 2.2 | 1.9 | 1.3 | 2.4 | 62.1 | 1.6 | 2.4 |
| 471 | 261997 | Ft. Cobb | 2.8 | 85.2 | 37.0 | 3.6 | 1.8 | 1.6 | 1.4 | 1.2 | 1.8 | 51.6 | 1.5 | 4.0 |
| | | Perkins | 2.4 | 82.2 | 30.7 | 2.8 | 2.0 | 1.8 | 1.6 | 1.8 | 1.6 | 58.6 | 1.6 | 3.6 |
| | | Mean | 2.6 | 83.7 | 33.9 | 3.2 | 1.9 | 1.7 | 1.5 | 1.5 | 1.7 | 52.6 | 1.5 | 3.8 |
| 477 | 262014 | Ft. Cobb | 2.8 | 86.8 | 40.6 | 3.2 | 2.4 | 1.8 | 1.8 | 1.0 | 2.0 | 66.0 | 1.5 | 2.0 |
| | | Perkins | 2.4 | 86.3 | 47.9 | 1.4 | 1.8 | 1.6 | 2.2 | 1.0 | 2.0 | 63.6 | 1.3 | 3.4 |
| | | Mean | 2.6 | 86.6 | 44.2 | 2.3 | 2.1 | 1.7 | 2.0 | 1.0 | 2.0 | 64.8 | 1.4 | 2.7 |

TABLE XXII (Continued)

| Okla. P-No. | P.I. No. | Location | Mean Rank | Peanut Butter % | Gms/100 Seed | Mean Rating of: | | | | | | Roasted Peanuts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Odor | Flavor | Taste | Roast | Texture | Dryness | Cler Score | Roast Score | Rank |
| 501 | 262073 | Ft. Cobb | 1.8 | 84.0 | 42.6 | 3.2 | 1.4 | 1.4 | 1.8 | 1.6 | 1.8 | 66.8 | 1.7 | 2.2 |
| | | Perkins | 3.4 | 82.8 | 43.0 | 3.4 | 2.2 | 2.0 | 1.4 | 1.8 | 2.4 | 58.8 | 1.6 | 3.8 |
| | | Mean | 2.6 | 83.4 | 42.8 | 3.3 | 1.8 | 1.7 | 1.6 | 1.7 | 2.1 | 62.8 | 1.6 | 3.0 |
| 512 | 261935 | Ft. Cobb | 3.0 | 85.1 | 32.5 | 3.2 | 2.0 | 1.2 | 2.0 | 1.0 | 2.0 | 62.4 | 1.5 | 3.0 |
| | | Perkins | 2.4 | 84.7 | 32.5 | 2.8 | 2.2 | 1.8 | 2.0 | 1.0 | 2.0 | 46.4 | 1.8 | 4.4 |
| | | Mean | 2.7 | 84.9 | 32.5 | 3.0 | 2.1 | 1.5 | 2.0 | 1.0 | 2.0 | 54.4 | 1.7 | 3.7 |
| 516 | 261940 | Ft. Cobb | 2.6 | 85.9 | 38.5 | 3.6 | 2.2 | 2.4 | 1.4 | 1.4 | 2.0 | 56.0 | 1.6 | 3.4 |
| | | Perkins | 3.0 | 85.1 | 40.5 | 3.4 | 2.8 | 2.2 | 1.6 | 1.4 | 2.4 | 57.4 | 1.6 | 2.7 |
| | | Mean | 2.8 | 85.5 | 39.5 | 3.5 | 2.5 | 2.3 | 1.5 | 1.4 | 2.2 | 56.7 | 1.6 | 3.1 |
| 529 | 261985 | Ft. Cobb | 5.0 | 81.5 | 35.2 | 3.8 | 2.8 | 2.8 | 3.0 | 1.4 | 2.4 | 58.0 | 1.8 | 1.7 |
| | | Perkins | 4.2 | 84.7 | 31.4 | 3.6 | 2.2 | 2.0 | 2.8 | 1.8 | 2.2 | 51.4 | 1.8 | 1.7 |
| | | Mean | 4.6 | 83.1 | 33.3 | 3.7 | 2.5 | 2.4 | 2.9 | 1.6 | 2.3 | 54.7 | 1.8 | 1.7 |
| 532 | 262001 | Ft. Cobb | 3.8 | 86.4 | 43.0 | 4.0 | 2.4 | 2.4 | 2.0 | 1.4 | 2.0 | 67.2 | 1.8 | 2.2 |
| | | Perkins | 4.0 | 84.0 | 47.3 | 3.6 | 2.6 | 2.6 | 2.8 | 2.0 | 2.0 | 59.0 | 1.7 | 2.8 |
| | | Mean | 3.9 | 85.2 | 45.1 | 3.8 | 2.5 | 2.5 | 2.4 | 1.7 | 2.0 | 63.1 | 1.8 | 2.5 |
| 552 | 248763 | Ft. Cobb | 2.0 | 86.5 | 38.6 | 2.4 | 1.8 | 1.6 | 2.0 | 1.0 | 1.6 | 73.4 | 1.5 | 2.0 |
| | | Perkins | 4.4 | 86.2 | 31.9 | 4.0 | 3.6 | 3.2 | 4.0 | 1.6 | 2.8 | 50.0 | 1.8 | 3.8 |
| | | Mean | 3.2 | 86.4 | 35.2 | 3.2 | 2.7 | 2.4 | 3.0 | 1.3 | 2.2 | 61.7 | 1.7 | 2.9 |
| 560 | 240561 | Ft. Cobb | 3.8 | 83.0 | 40.3 | 3.6 | 2.0 | 2.2 | 3.2 | 1.6 | 2.2 | 62.2 | 1.9 | 3.0 |
| | | Perkins | 3.6 | 77.2 | 39.1 | 3.2 | 3.0 | 2.6 | 4.0 | 1.4 | 2.4 | 33.2 | 1.9 | 4.8 |
| | | Mean | 3.4 | 80.1 | 39.7 | 3.4 | 2.5 | 2.4 | 3.6 | 1.5 | 2.1 | 47.7 | 1.9 | 3.9 |
| 561 | 240572 | Ft. Cobb | 1.8 | 89.9 | 42.2 | 3.0 | 1.4 | 1.2 | 1.8 | 1.0 | 1.6 | 63.6 | 1.5 | 2.6 |
| | | Perkins | 4.0 | 83.1 | 38.0 | 3.2 | 2.0 | 1.6 | 1.4 | 1.6 | 3.2 | 59.0 | 1.6 | 2.4 |
| | | Mean | 2.9 | 86.5 | 40.1 | 3.1 | 1.7 | 1.4 | 1.6 | 1.3 | 2.4 | 61.3 | 1.5 | 2.5 |
| 567 | 268601 | Ft. Cobb | 2.2 | 85.2 | 44.2 | 2.8 | 1.8 | 1.2 | 2.0 | 1.0 | 2.0 | 59.6 | 1.5 | 3.0 |
| | | Perkins | 2.6 | 83.8 | 38.7 | 2.8 | 1.8 | 1.6 | 3.0 | 1.2 | 2.8 | 58.0 | 1.6 | 3.0 |
| | | Mean | 2.4 | 84.5 | 41.4 | 2.8 | 1.8 | 1.4 | 2.5 | 1.1 | 2.4 | 58.8 | 1.6 | 3.0 |
| 577 | 268626 | Ft. Cobb | 2.0 | 86.6 | 40.4 | 3.0 | 1.4 | 1.6 | 2.0 | 1.0 | 1.6 | 62.0 | 1.5 | 2.6 |
| | | Perkins | 4.0 | 80.1 | 34.9 | 3.2 | 2.2 | 2.2 | 1.8 | 1.0 | 2.4 | 54.6 | 1.7 | 2.4 |
| | | Mean | 3.0 | 83.4 | 37.1 | 3.1 | 1.8 | 1.9 | 1.9 | 1.0 | 2.0 | 58.3 | 1.6 | 2.5 |

TABLE XXII (Continued)

| Okla. P-No. | P.I. No. | Location | Mean Rank | Peanut Butter % | Gms/100 Seed | Mean Rating of: | | | | | | Roasted Peanuts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Odor | Flavor | Taste | Roast | Texture | Dryness | Cler Score | Roast Score | Rank |
| 581 | 268630 | Ft. Cobb | 4.8 | 85.7 | 47.1 | 3.4 | 2.6 | 2.0 | 1.8 | 1.4 | 2.2 | 63.2 | 1.6 | 2.8 |
| | | Perkins | 2.6 | 85.2 | 39.0 | 2.8 | 2.0 | 1.4 | 1.6 | 1.8 | 3.6 | 60.4 | 1.4 | 1.8 |
| | | Mean | 3.7 | 85.4 | 43.0 | 3.1 | 2.3 | 1.7 | 1.7 | 1.6 | 2.9 | 61.8 | 1.5 | 2.3 |
| 591 | 268646 | Ft. Cobb | 2.6 | 82.7 | 45.6 | 3.0 | 2.2 | 1.6 | 1.8 | 1.4 | 2.0 | 73.2 | 1.6 | 1.6 |
| | | Perkins | 3.2 | 82.7 | 40.5 | 3.8 | 2.4 | 2.2 | 1.6 | 1.6 | 2.4 | 52.2 | 1.7 | 2.8 |
| | | Mean | 2.9 | 82.7 | 43.1 | 3.4 | 2.3 | 1.9 | 1.7 | 1.5 | 2.2 | 62.7 | 1.7 | 2.2 |
| 592 | 268647 | Ft. Cobb | 4.0 | 84.1 | 41.6 | 3.6 | 2.8 | 2.0 | 1.4 | 1.4 | 2.0 | 61.6 | 1.7 | 3.2 |
| | | Perkins | 3.0 | 85.0 | 38.3 | 3.0 | 2.0 | 2.0 | 1.4 | 2.0 | 2.0 | 51.6 | 1.7 | 3.4 |
| | | Mean | 3.5 | 84.6 | 40.0 | 3.3 | 2.4 | 2.0 | 1.4 | 1.7 | 2.0 | 56.6 | 1.7 | 3.3 |
| 598 | 268666 | Ft. Cobb | 2.8 | 84.0 | 38.6 | 3.2 | 2.4 | 1.8 | 1.6 | 1.0 | 1.6 | 56.2 | 1.6 | 3.0 |
| | | Perkins | 2.6 | 82.5 | 35.2 | 3.0 | 2.2 | 1.4 | 2.2 | 2.0 | 2.8 | 56.8 | 1.6 | 2.6 |
| | | Mean | 2.7 | 83.2 | 36.9 | 3.1 | 2.3 | 1.6 | 1.9 | 1.5 | 2.2 | 56.5 | 1.6 | 2.8 |
| 600 | 268668 | Ft. Cobb | 4.0 | 81.4 | 39.8 | 4.0 | 2.8 | 1.8 | 1.6 | 1.0 | 2.2 | 55.2 | 1.6 | 2.8 |
| | | Perkins | 3.6 | 81.6 | 32.2 | 3.2 | 2.4 | 2.2 | 2.4 | 2.4 | 2.4 | 56.0 | 1.6 | 2.6 |
| | | Mean | 3.8 | 81.5 | 36.0 | 3.6 | 2.6 | 2.0 | 2.0 | 1.7 | 2.3 | 55.6 | 1.6 | 2.7 |
| 606 | 268674 | Ft. Cobb | 3.0 | 86.2 | 33.7 | 3.0 | 2.2 | 2.0 | 1.6 | 1.0 | 2.0 | 49.4 | 1.7 | 3.4 |
| | | Perkins | 4.0 | 80.7 | 31.7 | 3.2 | 3.2 | 2.2 | 1.6 | 1.0 | 1.8 | 31.0 | 1.7 | 4.6 |
| | | Mean | 3.5 | 83.4 | 32.7 | 3.1 | 2.7 | 2.1 | 1.6 | 1.0 | 1.9 | 40.2 | 1.7 | 4.0 |
| 608 | 268676 | Ft. Cobb | 4.4 | 81.9 | 38.0 | 3.6 | 2.4 | 2.6 | 1.6 | 2.2 | 2.2 | 46.8 | 1.8 | 3.2 |
| | | Perkins | 2.8 | 83.5 | 33.9 | 3.4 | 2.2 | 1.6 | 2.0 | 1.0 | 1.8 | 61.2 | 1.7 | 3.0 |
| | | Mean | 3.6 | 82.7 | 36.0 | 3.5 | 2.3 | 2.1 | 1.8 | 1.6 | 2.0 | 54.0 | 1.8 | 3.1 |
| 609 | 268677 | Ft. Cobb | 2.6 | 86.4 | 40.4 | 2.2 | 2.0 | 1.8 | 2.0 | 1.4 | 2.0 | 42.0 | 1.8 | 4.4 |
| | | Perkins | 3.0 | 81.7 | 35.0 | 3.0 | 2.0 | 2.2 | 2.0 | 1.4 | 2.0 | 63.0 | 1.8 | 4.4 |
| | | Mean | 2.8 | 84.0 | 37.7 | 2.6 | 2.0 | 2.0 | 2.0 | 1.4 | 2.0 | 52.5 | 1.8 | 3.6 |
| 614 | 268686 | Ft. Cobb | 2.0 | 82.4 | 44.5 | 3.0 | 1.6 | 1.4 | 1.8 | 1.0 | 1.6 | 58.8 | 1.8 | 2.8 |
| | | Perkins | 3.8 | 83.8 | 38.3 | 2.4 | 1.8 | 1.8 | 1.6 | 1.4 | 2.8 | 66.4 | 1.8 | 3.6 |
| | | Mean | 2.9 | 83.1 | 41.4 | 2.7 | 1.7 | 1.6 | 1.7 | 1.2 | 2.2 | 62.6 | 1.8 | 3.2 |
| 634 | 268713 | Ft. Cobb | 3.6 | 81.7 | 37.8 | 3.0 | 2.0 | 1.8 | 2.0 | 1.4 | 1.8 | 38.2 | 1.7 | 4.0 |
| | | Perkins | 2.0 | 83.7 | 31.5 | 2.4 | 1.8 | 1.4 | 1.4 | 1.6 | 1.6 | 50.8 | 1.3 | 2.6 |
| | | Mean | 2.8 | 82.7 | 34.7 | 2.7 | 1.9 | 1.6 | 1.7 | 1.5 | 1.7 | 44.5 | 1.5 | 3.3 |

TABLE XXII (Continued)

| Okla. P-No. | P.I. No. | Location | Mean Rank | Peanut Butter % | Gms/100 Seed | Mean Rating of: | | | | | | Roasted Peanuts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Odor | Flavor | Taste | Roast | Texture | Dryness | Cler Score | Roast Score | Rank |
| 643 | 268721 | Ft. Cobb | 2.6 | 82.9 | 37.4 | 2.6 | 2.2 | 2.0 | 1.6 | 1.2 | 2.2 | 55.0 | 1.8 | 3.4 |
| | | Perkins | 1.8 | 83.3 | 33.3 | 3.2 | 2.0 | 1.8 | 1.8 | 1.4 | 2.4 | 66.4 | 1.4 | 2.2 |
| | | Mean | 2.2 | 83.1 | 35.4 | 2.9 | 2.1 | 1.9 | 1.7 | 1.3 | 2.3 | 60.7 | 1.6 | 2.8 |
| 644 | 268722 | Ft. Cobb | 1.0 | 73.3 | 36.8 | 3.2 | 1.4 | 1.6 | 2.0 | 1.4 | 2.2 | 61.0 | 1.5 | 2.8 |
| | | Perkins | 2.6 | 84.2 | 32.3 | 3.0 | 2.0 | 2.4 | 2.0 | 1.6 | 2.0 | 65.6 | 1.6 | 2.2 |
| | | Mean | 1.8 | 78.7 | 34.6 | 3.1 | 1.7 | 2.0 | 2.0 | 1.5 | 2.1 | 63.3 | 1.5 | 2.5 |
| 654 | 268732 | Ft. Cobb | 3.4 | 85.2 | 37.3 | 2.8 | 1.6 | 1.8 | 1.6 | 1.6 | 2.0 | 48.0 | 1.8 | 4.4 |
| | | Perkins | 3.0 | 84.2 | 32.7 | 3.2 | 2.4 | 2.2 | 1.8 | 1.2 | 2.0 | 61.8 | 1.4 | 3.0 |
| | | Mean | 3.2 | 84.7 | 35.0 | 3.0 | 2.0 | 2.0 | 1.7 | 1.4 | 2.0 | 54.9 | 1.6 | 3.7 |
| 675 | 268753 | Ft. Cobb | 2.0 | 81.9 | 37.3 | 2.4 | 1.8 | 1.4 | 2.4 | 1.0 | 1.8 | 64.8 | 1.7 | 1.4 |
| | | Perkins | 3.8 | 81.3 | 33.6 | 3.0 | 2.4 | 1.8 | 2.2 | 1.0 | 2.2 | 63.2 | 1.5 | 3.6 |
| | | Mean | 2.9 | 81.6 | 35.4 | 2.7 | 2.1 | 1.6 | 2.3 | 1.0 | 2.0 | 64.0 | 1.6 | 2.5 |
| 678 | 268761 | Ft. Cobb | 3.0 | 86.8 | 40.8 | 3.6 | 2.0 | 2.0 | 2.0 | 1.4 | 1.6 | 54.6 | 1.7 | 3.2 |
| | | Perkins | 2.4 | 82.5 | 34.9 | 3.2 | 2.0 | 1.8 | 1.6 | 1.0 | 2.0 | 58.0 | 1.7 | 2.6 |
| | | Mean | 2.7 | 84.6 | 37.9 | 3.4 | 2.0 | 1.9 | 1.8 | 1.2 | 1.8 | 56.3 | 1.7 | 2.9 |
| 718 | 268800 | Ft. Cobb | 3.4 | 84.4 | 40.1 | 3.4 | 2.4 | 2.4 | 1.8 | 1.4 | 1.8 | 49.8 | 1.8 | 3.0 |
| | | Perkins | 3.6 | 84.3 | 35.0 | 3.0 | 2.0 | 2.0 | 1.8 | 1.0 | 1.8 | 66.0 | 1.7 | 1.8 |
| | | Mean | 3.5 | 84.4 | 37.6 | 3.2 | 2.2 | 2.2 | 1.8 | 1.2 | 1.8 | 57.9 | 1.7 | 2.4 |
| 731 | 268812 | Ft. Cobb | 3.8 | 81.7 | 34.5 | 2.6 | 2.2 | 1.6 | 1.6 | 1.4 | 2.0 | 59.2 | 1.6 | 4.0 |
| | | Perkins | 2.0 | 80.3 | 31.1 | 1.8 | 1.8 | 1.6 | 1.4 | 2.0 | 2.0 | 48.8 | 1.8 | 3.8 |
| | | Mean | 2.9 | 81.0 | 32.8 | 2.2 | 2.0 | 1.6 | 1.5 | 1.7 | 2.0 | 54.0 | 1.7 | 3.9 |
| 739 | 268821 | Ft. Cobb | 4.2 | 85.1 | 38.2 | 3.4 | 2.4 | 2.0 | 1.8 | 2.2 | 2.6 | 54.4 | 1.6 | 4.6 |
| | | Perkins | 3.0 | 82.8 | 38.1 | 3.4 | 2.6 | 1.9 | 1.6 | 1.0 | 2.6 | 55.4 | 1.6 | 3.0 |
| | | Mean | 3.6 | 84.0 | 38.2 | 3.4 | 2.5 | 1.9 | 1.7 | 1.6 | 2.6 | 54.9 | 1.6 | 3.8 |
| 745 | 268827 | Ft. Cobb | 3.6 | 86.0 | 48.4 | 3.2 | 1.8 | 2.0 | 1.4 | 1.0 | 1.8 | 62.2 | 1.5 | 3.0 |
| | | Perkins | 2.6 | 83.5 | 38.5 | 3.2 | 2.0 | 2.0 | 1.6 | 1.6 | 2.0 | 58.8 | 1.7 | 2.2 |
| | | Mean | 3.1 | 84.8 | 43.5 | 3.2 | 1.9 | 2.0 | 1.5 | 1.3 | 1.9 | 60.5 | 1.6 | 2.6 |
| 748 | 268831 | Ft. Cobb | 1.8 | 86.0 | 40.9 | 3.6 | 1.6 | 1.2 | 1.8 | 1.2 | 1.8 | 57.8 | 1.7 | 3.2 |
| | | Perkins | 3.0 | 81.8 | 35.3 | 2.4 | 2.0 | 1.6 | 1.8 | 1.4 | 2.2 | 53.8 | 1.6 | 2.8 |
| | | Mean | 2.4 | 83.9 | 38.1 | 3.0 | 1.8 | 1.4 | 1.8 | 1.3 | 2.0 | 55.8 | 1.6 | 3.0 |

TABLE XXII (Continued)

| Okla. P-No. | P.I. No. | Location | Mean Rank | Peanut Butter % | Gms/100 Seed | Mean Rating of: | | | | | | Roasted Peanuts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Odor | Flavor | Taste | Roast | Texture | Dryness | Cler Score | Roast Score | Rank |
| 807 | 261954 | Ft. Cobb | 2.4 | 85.7 | 45.5 | 2.2 | 1.6 | 1.2 | 2.0 | 1.0 | 1.8 | 56.4 | 1.8 | 2.8 |
| | | Perkins | 3.0 | 84.0 | 45.2 | 2.4 | 2.4 | 1.8 | 1.8 | 1.0 | 2.4 | 57.6 | 1.9 | 2.8 |
| | | Mean | 2.7 | 84.8 | 45.4 | 2.3 | 2.0 | 1.5 | 1.9 | 1.0 | 2.1 | 57.0 | 1.9 | 2.8 |
| 808 | 261955 | Ft. Cobb | 1.8 | 85.5 | 49.5 | 3.0 | 1.4 | 1.0 | 1.6 | 1.0 | 1.6 | 72.6 | 1.6 | 1.6 |
| | | Perkins | 4.0 | 84.5 | 44.9 | 2.4 | 2.6 | 2.2 | 2.0 | 1.6 | 2.4 | 54.8 | 1.6 | 3.0 |
| | | Mean | 2.9 | 85.0 | 47.2 | 2.7 | 2.0 | 1.6 | 1.8 | 1.3 | 2.0 | 63.7 | 1.6 | 2.3 |
| 819 | 262099 | Ft. Cobb | 4.6 | 73.7 | 45.2 | 3.8 | 3.0 | 2.6 | 3.0 | 1.2 | 1.8 | 46.2 | 1.8 | 3.6 |
| | | Perkins | 4.2 | 83.8 | 45.7 | 3.6 | 2.4 | 2.2 | 1.8 | 1.6 | 2.4 | 58.4 | 1.5 | 3.2 |
| | | Mean | 4.4 | 78.8 | 45.4 | 3.7 | 2.7 | 2.4 | 2.4 | 1.4 | 2.1 | 52.3 | 1.7 | 3.4 |
| 824 | 247375 | Ft. Cobb | 4.4 | 85.5 | 50.9 | 3.2 | 2.8 | 2.4 | 2.0 | 1.8 | 3.0 | 73.4 | 1.6 | 1.6 |
| | | Perkins | 4.8 | 80.0 | 45.0 | 3.4 | 3.4 | 3.0 | 3.6 | 2.2 | 3.6 | 52.4 | 1.6 | 3.8 |
| | | Mean | 4.6 | 82.8 | 48.0 | 3.3 | 3.1 | 2.7 | 2.8 | 2.0 | 3.3 | 62.9 | 1.6 | 2.7 |
| 828 | 269719 | Ft. Cobb | 2.4 | 86.1 | 50.3 | 2.8 | 1.6 | 1.6 | 1.8 | 1.0 | 2.0 | 62.0 | 1.6 | 3.4 |
| | | Perkins | 2.0 | 83.3 | 41.1 | 3.2 | 1.8 | 1.6 | 2.0 | 1.2 | 2.6 | 59.6 | 1.4 | 3.2 |
| | | Mean | 2.2 | 84.7 | 45.7 | 3.0 | 1.7 | 1.6 | 1.9 | 1.1 | 2.3 | 60.8 | 1.5 | 3.3 |
| 836 | 268612 | Ft. Cobb | 3.2 | 85.4 | 49.6 | 3.2 | 2.2 | 1.4 | 1.8 | 1.0 | 2.0 | 60.2 | 1.6 | 2.6 |
| | | Perkins | 2.6 | 84.3 | 46.3 | 3.2 | 2.0 | 2.0 | 1.4 | 1.0 | 1.8 | 52.4 | 1.5 | 3.2 |
| | | Mean | 2.9 | 84.8 | 48.0 | 3.2 | 2.1 | 1.7 | 1.6 | 1.0 | 1.9 | 56.3 | 1.6 | 2.9 |
| 839 | 268619 | Ft. Cobb | 2.6 | 86.6 | 48.3 | 3.0 | 1.8 | 1.6 | 1.6 | 1.0 | 1.6 | 60.6 | 1.5 | 2.6 |
| | | Perkins | 3.8 | 75.4 | 48.5 | 1.8 | 2.4 | 2.4 | 1.8 | 1.0 | 2.2 | 63.6 | 1.6 | 2.4 |
| | | Mean | 3.2 | 81.0 | 48.4 | 2.4 | 2.1 | 2.0 | 1.7 | 1.0 | 1.9 | 62.1 | 1.6 | 2.5 |
| 846 | 268640 | Ft. Cobb | 4.0 | 82.6 | 38.4 | 3.2 | 2.4 | 2.0 | 2.4 | 1.2 | 2.0 | 65.2 | 1.5 | 2.6 |
| | | Perkins | 3.2 | 86.4 | 41.0 | 3.4 | 1.8 | 1.6 | 1.6 | 1.6 | 1.8 | 67.6 | 1.5 | 2.6 |
| | | Mean | 3.6 | 84.5 | 39.7 | 3.3 | 2.1 | 1.8 | 2.0 | 1.4 | 1.9 | 66.4 | 1.5 | 2.6 |
| 855 | 268655 | Ft. Cobb | 2.6 | 85.9 | 41.8 | 2.8 | 2.0 | 1.4 | 2.0 | 1.2 | 1.6 | 66.6 | 1.6 | 3.2 |
| | | Perkins | 3.8 | 85.2 | 41.9 | 3.2 | 2.6 | 2.0 | 2.0 | 1.4 | 2.0 | 64.8 | 1.6 | 3.0 |
| | | Mean | 3.2 | 85.6 | 41.9 | 3.0 | 2.3 | 1.7 | 2.0 | 1.3 | 1.8 | 65.7 | 1.6 | 3.1 |
| 860 | 268680 | Ft. Cobb | 2.4 | 85.5 | 44.7 | 3.4 | 2.0 | 1.6 | 1.8 | 1.8 | 2.0 | 55.8 | 1.7 | 2.8 |
| | | Perkins | 2.6 | 81.2 | 39.4 | 3.2 | 2.0 | 1.8 | 1.8 | 2.0 | 2.4 | 48.4 | 1.7 | 3.4 |
| | | Mean | 2.5 | 83.4 | 42.1 | 3.3 | 2.0 | 1.7 | 1.8 | 1.9 | 2.2 | 52.1 | 1.7 | 3.1 |

TABLE XXII (Continued)

| Okla. P-No. | P.I. No. | Location | Mean Rank | Peanut Butter % | Gms/100 Seed | Mean Rating of: | | | | | | Roasted Peanuts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Odor | Flavor | Taste | Roast | Texture | Dryness | Cler Score | Roast Score | Rank |
| 861 | 268681 | Ft. Cobb | 2.2 | 84.8 | 44.7 | 3.4 | 1.6 | 1.6 | 1.6 | 1.4 | 1.4 | 63.6 | 1.6 | 1.6 |
| | | Perkins | 2.4 | 83.4 | 41.6 | 3.0 | 1.6 | 1.6 | 1.6 | 1.0 | 1.8 | 59.4 | 1.5 | 1.9 |
| | | Mean | 2.3 | 84.1 | 43.2 | 3.2 | 1.6 | 1.6 | 1.6 | 1.2 | 1.6 | 61.5 | 1.5 | 1.7 |
| 862 | 268682 | Ft. Cobb | 4.0 | 86.3 | 46.5 | 2.8 | 2.2 | 1.4 | 1.8 | 2.0 | 2.2 | 59.4 | 1.5 | 3.6 |
| | | Perkins | 2.8 | 86.0 | 38.3 | 2.2 | 2.0 | 1.4 | 2.4 | 1.6 | 2.2 | 54.8 | 1.8 | 3.6 |
| | | Mean | 3.4 | 86.2 | 42.4 | 2.5 | 2.1 | 1.4 | 2.1 | 1.8 | 2.2 | 57.1 | 1.7 | 3.6 |
| 873 | 268756 | Ft. Cobb | 3.0 | 86.9 | 48.8 | 2.2 | 1.6 | 2.0 | 2.2 | 1.4 | 2.2 | 58.4 | 1.5 | 3.6 |
| | | Perkins | 3.6 | 82.2 | 40.9 | 2.6 | 2.2 | 1.6 | 1.2 | 1.6 | 2.2 | 68.0 | 1.5 | 2.6 |
| | | Mean | 3.3 | 84.6 | 44.9 | 2.4 | 1.9 | 1.8 | 1.7 | 1.5 | 2.2 | 63.2 | 1.5 | 3.1 |
| 881 | 268829 | Ft. Cobb | 5.8 | 86.1 | 48.2 | 3.8 | 3.2 | 3.0 | 2.0 | 1.0 | 1.8 | 50.0 | 1.7 | 4.6 |
| | | Perkins | 3.2 | 86.6 | 39.7 | 2.8 | 1.8 | 1.8 | 1.8 | 2.0 | 2.8 | 59.4 | 1.5 | 3.8 |
| | | Mean | 4.5 | 86.4 | 44.0 | 3.3 | 2.5 | 2.4 | 1.9 | 1.5 | 2.3 | 54.7 | 1.6 | 4.2 |
| 882 | 270767 | Ft. Cobb | 2.2 | 82.6 | 48.4 | 3.0 | 1.6 | 1.0 | 2.2 | 1.0 | 1.2 | 66.6 | 1.7 | 1.6 |
| | | Perkins | 2.6 | 84.2 | 42.1 | 3.4 | 1.8 | 1.6 | 2.0 | 1.0 | 2.6 | 55.4 | 1.8 | 3.8 |
| | | Mean | 2.4 | 83.4 | 45.2 | 3.2 | 1.7 | 1.3 | 2.1 | 1.0 | 1.9 | 61.0 | 1.8 | 2.7 |
| 885 | 270793 | Ft. Cobb | 3.4 | 85.9 | 42.8 | 3.6 | 2.2 | 2.0 | 1.6 | 1.6 | 2.0 | 55.0 | 1.4 | 2.6 |
| | | Perkins | 3.4 | 83.3 | 43.0 | 3.4 | 1.8 | 1.6 | 1.6 | 1.8 | 2.4 | 67.2 | 1.5 | 3.6 |
| | | Mean | 3.4 | 84.6 | 42.9 | 3.5 | 2.0 | 1.8 | 1.6 | 1.7 | 2.2 | 61.1 | 1.4 | 3.1 |
| 887 | 270795 | Ft. Cobb | 3.6 | 82.0 | 45.6 | 2.6 | 2.2 | 2.2 | 2.0 | 1.8 | 2.4 | 55.8 | 1.7 | 4.0 |
| | | Perkins | 3.4 | 85.1 | 42.7 | 1.8 | 2.4 | 1.8 | 2.2 | 1.6 | 2.8 | 61.2 | 1.8 | 2.4 |
| | | Mean | 3.5 | 83.6 | 44.2 | 2.2 | 2.3 | 2.0 | 2.1 | 1.7 | 2.6 | 58.5 | 1.8 | 3.2 |
| 889 | 270842 | Ft. Cobb | 3.6 | 84.2 | 44.1 | 2.0 | 2.0 | 1.8 | 2.4 | 1.0 | 2.2 | 70.8 | 1.4 | 1.8 |
| | | Perkins | 4.6 | 84.4 | 46.2 | 3.0 | 2.6 | 1.8 | 1.6 | 1.6 | 2.2 | 56.0 | 1.6 | 3.8 |
| | | Mean | 4.1 | 84.3 | 45.2 | 2.5 | 2.3 | 1.8 | 2.0 | 1.3 | 2.2 | 63.4 | 1.5 | 2.8 |
| 893 | 259746 | Ft. Cobb | 3.2 | 86.6 | 49.3 | 3.6 | 2.2 | 2.2 | 1.6 | 1.2 | 1.8 | 57.2 | 1.6 | 2.8 |
| | | Perkins | 2.6 | 81.9 | 42.1 | 3.4 | 1.8 | 1.8 | 1.8 | 1.8 | 2.2 | 51.8 | 1.9 | 2.8 |
| | | Mean | 2.9 | 84.2 | 45.7 | 3.5 | 2.0 | 2.0 | 1.7 | 1.5 | 2.0 | 54.5 | 1.7 | 2.8 |
| | | Mean | 3.1 | 83.5 | 40.0 | 3.0 | 2.2 | 1.8 | 1.9 | 1.4 | 2.1 | 58.7 | 1.6 | 3.0 |
| | | LSD .05 | 1.2 | N.S. | 2.2 | 0.7 | 0.6 | 0.6 | 0.5 | 0.7 | 0.7 | 11.5 | 0.2 | 1.1 |
| | | CV (%) | 42.6 | 2.7 | 4.0 | 27.5 | 31.0 | 35.7 | 30.9 | 54.6 | 35.2 | 22.5 | 12.3 | 43.3 |

TABLE XXIII

SUMMARY FOR THE MEAN PERCENTAGE OF OIL AND PROTEIN FOR 1965 AT THE AGRONOMY RESEARCH STATIONS NEAR PERKINS AND FT. COBB, OKLAHOMA

| Okla. | Oil (%) | | | Protein (%) | | |
|---|---|---|---|---|---|---|
| P-No. | Perkins | Ft. Cobb | Mean | Perkins | Ft. Cobb | Mean |
| 2 | 50.19 | 51.71 | 50.95 | 31.14 | 32.55 | 31.84 |
| 4 | 50.21 | 50.23 | 50.22 | 32.29 | 29.77 | 31.03 |
| 6 | 50.20 | 51.63 | 50.92 | 31.86 | 29.35 | 30.60 |
| 17 | 51.14 | 49.21 | 50.18 | 31.19 | 30.66 | 30.92 |
| 22 | 48.05 | 50.28 | 49.16 | 31.14 | 29.83 | 30.48 |
| 25 | 47.78 | 49.39 | 48.58 | 29.48 | 29.56 | 29.52 |
| 293 | 51.15 | 50.96 | 51.06 | 32.78 | 31.64 | 32.21 |
| 294 | 48.99 | 47.91 | 48.45 | 32.01 | 30.16 | 31.08 |
| 295 | 50.65 | 49.70 | 50.18 | 31.88 | 30.66 | 31.27 |
| 301 | 50.65 | 52.65 | 51.65 | 30.16 | 28.78 | 29.47 |
| 304 | 31.14 | 50.45 | 50.80 | 30.53 | 29.23 | 29.88 |
| 309 | 51.53 | 49.98 | 50.76 | 31.09 | 30.48 | 30.78 |
| 315 | 54.25 | 51.14 | 52.70 | 30.25 | 29.69 | 29.97 |
| 317 | 49.47 | 51.11 | 50.29 | 30.97 | 39.78 | 30.38 |
| 340 | 50.69 | 50.07 | 50.38 | 30.66 | 30.86 | 30.76 |
| 342 | 51.42 | 49.11 | 50.26 | 32.25 | 31.91 | 32.08 |
| 370 | 51.40 | 49.25 | 50.32 | 32.25 | 30.91 | 31.58 |
| 397 | 51.38 | 50.36 | 50.87 | 31.83 | 31.01 | 31.42 |
| 415 | 50.09 | 50.95 | 50.52 | 31.63 | 31.29 | 31.46 |
| 419 | 47.33 | 52.60 | 49.96 | 30.17 | 30.39 | 30.28 |
| 431 | 49.83 | 50.32 | 50.08 | 29.33 | 29.36 | 29.34 |
| 438 | 48.43 | 50.66 | 49.54 | 29.56 | 29.43 | 29.50 |
| 447 | 50.15 | 50.32 | 50.24 | 30.83 | 30.81 | 30.82 |
| 451 | 48.56 | 50.42 | 49.49 | 31.20 | 30.52 | 30.86 |
| 463 | 48.70 | 49.22 | 48.96 | 29.25 | 30.21 | 29.73 |
| 465 | 49.19 | 49.02 | 49.10 | 30.11 | 29.58 | 29.84 |
| 471 | 49.41 | 49.71 | 49.56 | 31.14 | 29.26 | 30.20 |
| 477 | 51.04 | 51.27 | 51.16 | 31.50 | 31.13 | 31.32 |
| 501 | 49.36 | 50.75 | 50.06 | 32.73 | 30.26 | 31.50 |
| 512 | 50.81 | 50.58 | 50.70 | 31.26 | 29.45 | 30.36 |
| 516 | 50.01 | 49.93 | 49.97 | 32.01 | 32.04 | 32.02 |
| 529 | 50.06 | 51.50 | 50.78 | 29.79 | 30.13 | 29.96 |
| 532 | 49.56 | 49.40 | 49.48 | 32.48 | 31.07 | 31.78 |
| 552 | 49.93 | 49.39 | 49.66 | 29.79 | 29.32 | 29.56 |
| 560 | 50.40 | 50.57 | 50.48 | 30.91 | 29.02 | 29.96 |
| 561 | 51.01 | 50.17 | 50.59 | 30.29 | 28.79 | 29.54 |
| 567 | 50.76 | 48.48 | 49.62 | 30.56 | 31.23 | 30.90 |

TABLE XXIII (Continued)

| Okla. P-No. | Oil (%) Perkins | Oil (%) Ft. Cobb | Oil (%) Mean | Protein (%) Perkins | Protein (%) Ft. Cobb | Protein (%) Mean |
|---|---|---|---|---|---|---|
| 577 | 51.36 | 50.84 | 51.10 | 31.14 | 28.86 | 30.00 |
| 581 | 50.75 | 49.95 | 50.35 | 30.78 | 29.69 | 30.24 |
| 591 | 50.49 | 49.62 | 50.06 | 32.22 | 29.39 | 30.80 |
| 592 | 50.31 | 49.21 | 49.76 | 31.33 | 30.52 | 30.92 |
| 598 | 49.61 | 53.02 | 51.32 | 30.41 | 30.28 | 30.34 |
| 600 | 49.54 | 51.54 | 50.54 | 30.00 | 30.27 | 30.14 |
| 606 | 45.70 | 45.75 | 45.72 | 29.79 | 30.24 | 30.02 |
| 608 | 49.55 | 51.82 | 50.68 | 30.09 | 30.02 | 30.06 |
| 609 | 50.55 | 51.90 | 51.22 | 30.63 | 29.54 | 30.08 |
| 614 | 49.19 | 49.90 | 49.54 | 31.70 | 31.61 | 31.66 |
| 634 | 48.29 | 50.57 | 49.43 | 31.56 | 28.79 | 30.18 |
| 643 | 50.18 | 51.87 | 51.02 | 30.00 | 28.09 | 29.04 |
| 644 | 47.46 | 52.06 | 49.76 | 30.73 | 28.96 | 29.84 |
| 654 | 48.67 | 49.66 | 49.16 | 31.48 | 29.10 | 30.29 |
| 675 | 49.43 | 50.96 | 50.20 | 30.95 | 29.67 | 30.31 |
| 678 | 48.03 | 50.53 | 49.28 | 31.76 | 29.93 | 30.84 |
| 718 | 49.28 | 52.12 | 50.70 | 30.50 | 29.38 | 29.94 |
| 731 | 49.77 | 51.23 | 50.50 | 32.33 | 29.28 | 30.80 |
| 739 | 50.78 | 49.30 | 50.04 | 33.95 | 31.93 | 32.94 |
| 745 | 50.93 | 50.59 | 50.76 | 31.78 | 32.29 | 32.04 |
| 748 | 49.52 | 49.91 | 49.72 | 31.28 | 29.88 | 30.58 |
| 807 | 49.15 | 49.74 | 49.44 | 32.44 | 31.63 | 32.04 |
| 808 | 47.44 | 47.93 | 47.68 | 33.59 | 32.16 | 32.88 |
| 819 | 49.35 | 50.47 | 49.91 | 32.45 | 31.13 | 31.79 |
| 824 | 50.01 | 50.59 | 50.30 | 31.48 | 30.75 | 31.12 |
| 828 | 50.05 | 50.33 | 50.19 | 31.81 | 30.07 | 30.94 |
| 836 | 50.29 | 50.21 | 50.25 | 31.84 | 31.48 | 31.66 |
| 839 | 49.22 | 50.68 | 49.95 | 32.31 | 31.48 | 31.90 |
| 846 | 51.06 | 50.84 | 50.95 | 30.64 | 29.92 | 30.28 |
| 855 | 49.86 | 51.30 | 50.58 | 31.54 | 30.03 | 30.78 |
| 860 | 46.32 | 49.52 | 47.92 | 30.89 | 31.88 | 31.38 |
| 861 | 49.34 | 49.65 | 49.50 | 29.00 | 30.73 | 29.86 |
| 862 | 49.10 | 49.43 | 49.26 | 30.48 | 30.98 | 30.73 |
| 873 | 51.39 | 52.56 | 51.98 | 30.16 | 31.09 | 30.62 |
| 881 | 51.82 | 52.31 | 52.06 | 30.76 | 31.08 | 30.92 |
| 882 | 51.56 | 50.39 | 50.98 | 32.47 | 29.19 | 30.83 |
| 885 | 51.84 | 49.91 | 50.88 | 31.00 | 30.24 | 30.62 |
| 887 | 52.68 | 48.78 | 50.73 | 30.47 | 30.73 | 30.60 |
| 889 | 50.57 | 49.63 | 50.10 | 30.70 | 31.68 | 31.19 |
| 893 | 52.49 | 51.96 | 52.22 | 31.03 | 31.34 | 31.18 |
| Mean | 49.97 | 50.38 | 50.17 | 31.14 | 30.33 | 30.74 |
| LSD .05 | | | 2.30 | | | 1.56 |
| CV (%) | | | 2.29 | | | 2.53 |

# APPENDIX B

Rating for Peanut Butter Date _____ Taster _____ Experiment _____

| CODE NO. | ODOR | | | FLAVOR | | | COMMENT | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Superior to Standard | Equal to Standard | Inferior to Standard | Better than Standard | Equal to Standard | Poorer than Standard | ODOR | FLAVOR | TASTE | ROAST | TEXTURE | DRYNESS | Pref. Rank No. 1 Best |
| 1 | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | |

| ODOR | FLAVOR | TASTE | ROAST | TEXTURE | DRYNESS |
|---|---|---|---|---|---|
| 1. Weak | 1. Excellent | 1. Sweet | 1. Excellent | 1. Smooth | 1. Moist |
| 2. None | 2. Good | 2. Fair | 2. Good | 2. Mealy | 2. Moderate |
| 3. Moderate | 3. Low | 3. Bitter | 3. Under | 3. Mushy | 3. Oily |
| 4. Strong | 4. Off | 4. Sour | 4. Over | 4. Chunky | 4. Very Dry |

Figure 1. Rating Form for Evaluating Peanut Butter.

Cler Score for Organoleptic Appraisal of Roasted Peanuts

Experiment _____ Taster _____ Date _____

| The quality categories for each cotyledon | Panel Code | 1 | | 2 | | 3 | | 4 | | 5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Peanut No. | Flavor | Roast | Flavor | Roast | Flavor | Roast | Flavor | Roast | Flavor | Roast |
| | 1 | | | | | | | | | | |
| | 2 | | | | | | | | | | |
| | 3 | | | | | | | | | | |
| | 4 | | | | | | | | | | |
| | 5 | | | | | | | | | | |
| | | | | | | | | | | | |
| | 15 | | | | | | | | | | |
| | 16 | | | | | | | | | | |
| | 17 | | | | | | | | | | |
| | 18 | | | | | | | | | | |
| | 19 | | | | | | | | | | |
| | 20 | | | | | | | | | | |
| Cler Score No. and Roasted Average | | C.S. | R.A. | C.S. | R.A. | C.S. | R.A. | C.S. | R.A. | C.S. | R.A. |
| Pref. Rank | | | | | | | | | | | |
| Comment | | | | | | | | | | | |
| Cler Score 100- (5 x No. scored 1) + (4 x No. scored 2) + (2 x No. scored 3) + (0 x No. scored 4) | | | | | | | | | | | |

Note: Flavor and Roast grade for each cotyledon. Score one of the four qualitative categories in each cell.

FLAVOR

1. Bad off flavor
2. Low level off flavor
3. Low peanut flavor
4. Good peanut flavor

ROAST

1. Excellent
2. Good
3. Under roasted
4. Over roasted

Figure 2. Rating Form for Evaluating Roasted Peanuts.

VITA

Eric Gordon Stone

Candidate for the Degree of

Doctor of Philosophy

Thesis: GENETIC, AGRONOMIC, BOTANICAL, PHYSICAL, CHEMICAL, AND ORGANOLEPTIC EVALUATION OF PEANUTS, ARACHIS HYPOGAEA L.

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Biographical:

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Education: Graduated from Blackwell High School, Blackwell, Oklahoma, in 1949; received the Bachelor of Science degree from Oklahoma State University in 1955, with a major in Agronomy. Attended United States Air Force Pilot Training School, 1955-1956. Received the Master of Science degree from Oklahoma State University in 1964, with a major in Agronomy (Field Crops); completed requirements for the Doctor of Philosophy degree at Oklahoma State University in July, 1968.

Professional Experience: Born and reared on a farm. Officer in United States Air Force, 1955-1960; receiving the Soldier's Medal. Student-Assistant, Oklahoma Foundation Seed Stocks Inc., Oklahoma State University, 1961-1963. Graduate Research and Teaching Assistant from 1963-1967 for the Department of Agronomy.

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